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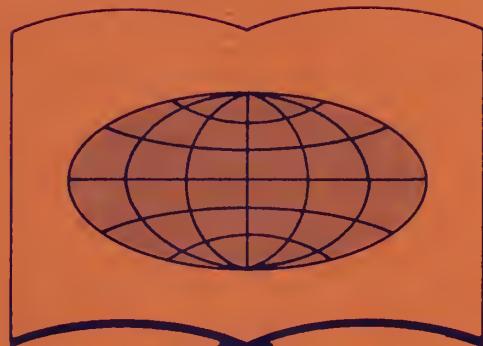


Pesticides DOCUMENTATION BULLETIN

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Volume 5
December 26, 1969

Number 26

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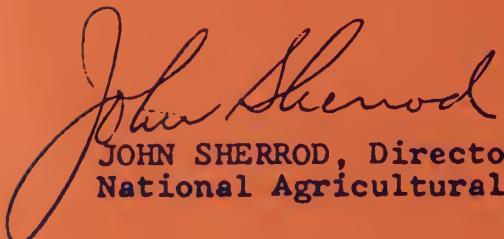
Users of the Pesticides Documentation Bulletin may wish to refer to the following publications for coverage of the pesticides literature:

Current Contents, Agricultural, Food & Veterinary Sciences, Institute for Scientific Information, Philadelphia

Biological Abstracts, Philadelphia

Chemical Abstracts, Columbus, Ohio

Health Aspects of Pesticides, USPHS, Communicable Disease Center, Atlanta, Georgia



JOHN SHERROD, Director
National Agricultural Library

PESTICIDES DOCUMENTATION BULLETIN

A Bi-Weekly Publication of U.S. Department of Agriculture

Volume 5
December 26, 1969
Number 26

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

- Compound Tested
- Company furnishing the compound
- Author or Investigator
- Test Sponsor
- Date
- Location
- Mode of Application
- Rates of Application
- Soil Types
- Carriers
- Crops or Weeds tested with phytotoxicity ratings
- Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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Insect taxonomy, Trombiculidae, Zoogeography.

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Eumenidae, Insect taxonomy, Polymorphism, Surveys.

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O M Amin

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Dermacentor variabilis, Insect morphology, Insect physiology.

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Dermacentor variabilis, Fertility, Insect ecology, Insect nutrition, Insect physiology, Starvation.

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Culture media, Hylemya platura, Insect rearing, Larvae, English abstract.

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Carausius morosus, Feet, Insect physiology, Regeneration.

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Corpora allata, Insect physiology, Locusta migratoria, Trehala.

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Culex tarsalis, Diffusion, Electrophoresis, Extracts, Immunology, Rabbits.

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Chromatography, Fatty acids, Glossina morsitans, Hydrocarbons, Insect biochemistry, Lipids, Phospholipids.

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Insect migration, Lepidoptera.

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Nov 1967 421 Z36
Cicadellidae, Cotton, Empoasca, Insect biology, Insect ecology, Nymphs, Zoogeography. German summary

15378-69
FURTHER DESCRIPTION OF A SUBLINE OF GRACE'S MOSQUITO (*AEDES AEGYPTI* L.) CELLS ADAPTED TO HEMOLYMPH-FREE MEDIUM.

S H Hsu H H Liu E C Sutor
Mosquito News 29(3):439-446 REF
Sep 1969 421 M85
Aedes aegypti, Culture media, Cytology, Hemolymph, Phase-contrast microscopy, Tissue culture.

15379-69
VIRUSES OF THE MEALY BUG LARVAE, *TENEBRIOS MOLITOR*, OF GRANULAR INSECTICIDES IN COCONUT LEAF AXILS. (GER)

A M Huger
Naturwissenschaften 56(9):466-467
Sep 1969 474 N213
Chemical control (insects), Coconuts, Electron microscopy, Granular insecticides, Insect diseases, Insecticide application, Larvae, *Tenebrio molitor*.

15380-69
BIOLOGICAL AND MORPHOLOGICAL INVESTIGATIONS OF *BRACHYCAUDUS SPIRAEAE* (OESTL.) C.B., AN APHID PEST OF *SPIRAEA* (HOMOPTERA: APHIDAE): A CONTRIBUTION TO THE DETERMINATION, TO THE SPECIFIC MORPHOLOGY AND CHETOTAXY OF THE APHID. (GE)

I Iglsle
Z Angew Entomol 60(4):417-450 REF
Nov 1967 421 Z36
Aphididae, *Appelia*, *Brachycaudus spiraea*, Chaetotaxy, Insect biology, Insect morphology, Insect pests, Insect taxonomy, Larvae, *Spiraea bumalda*, *Spiraea vanhouttei*. English summary

15381-69
REMARKS ON THE ULTRASTRUCTURE OF THE VENTRAL GLAND IN *LOCUSTA MIGRATORIA* L. (ORTHOPTERA) IN DENSE POPULATIONS. (FR)

L Joly P Joly A Porte
Acad Sci Compt Rend Ser D 269(9, 2ND SEMESTER):917-918
01 Sep 1969 505 P21
Electron microscopy, Glands (insects), *Locusta migratoria*, Population.

15382-69
EPIDEMIOLOGICAL NOTES: TWO BLUETONGUE EPIZOOTICS.

R H Jones A J Luedke
Mosquito News 29(3):461-464
Sep 1969 421 M85
Bluetongue, Culicidae, *Culicoides variipennis*, Epidemiology, Leptoconops, Sheep, Simuliidae, Surveys, Tabanidae.

15383-69
PRELIMINARY RESEARCH ON *DROSOPHILA SIGMA* VIRUS MULTIPLICATION IN INSECTS BELONGING TO DIFFERENT ORDERS. (FR)

F-X Jousset
Acad Sci Compt Rend Ser D 269(11, 2ND SEMESTER):1035-1038
15 Sep 1969 505 P21
Coleoptera, Diptera, *Drosophila*, Hymenoptera, Insect diseases, Lepidoptera, Orthoptera.

THE GRASSHOPPER, *MELANOPPLUS SANGUINIPES* (F.) ORTHOPTERA).

G S Dogra Al B Ewen

Experientia 25(9):940-941

15 Sep 1969 475 EX7

Insect physiology, *Melanoplus sanguinipes*, Nervous system, Neuroendocrinology, Osmosis, Secretions, Sodium chloride, Stress.

15360-69

SEQUELAE OF THE DELAYED POST-DIAPAUSE DEVELOPMENT OF THE EMBRYO OF *B. MORI* L. EGGS. (RUS)

K Donev

Priroda (Sofia) (3, MAY-JUN):64-67

Jun 1967 410 P934

Eggs, Embryos, Insect physiology, Metamorphosis, *Bombyx mori*, Temperature.

15361-69

IN VITRO: ENDING OF EGG DIAPAUSE IN SOME TETTIGONIIDS. (FR)

B Dumortier

Ann Epiphyt 18(4):387-400 REF

1967 464.9 F84AN

Insect eggs, Insect physiology, Orthoptera, Refrigeration, Reproduction, Tettigoniidae. English summary

15362-69

A COMBINATION OF POULTRY-RAISING WITH MULBERRY-TREE-GROWING AND SERICULTURE. (RU)

T Dushev

Priroda (Sofia) (6, NOV-DEC):61

Dec 1967 410 P934

Crop yields, Ecology, *Morus*, Poultry, *Bombyx mori*.

15363-69

TACHINID PARASITES OF THE HORNED PAS-SALUS BEETLE.

M Eoff

Oklahoma Acad Sci Proc 48:29-31

1969 500 OK42

Parasite insects, Passalidae, Surveys, Tachinidae, Zoogeography.

15364-69

MECHANISMS OF POPULATION HOMEOSTASIS IN ANAGASTA ECOSYSTEMS.

S E Flanders

Hilgardia 39(13):367-404 REF

Sep 1968 100 C12H

Anagasta kuhniella, Insect biology, Insect ecology, Insect rearing, Parasitism, Population, *Tribolium confusum*.

15365-69

A SHOOT-BLIGHT DISEASE OF WESTERN LARCH IN BRITISH COLUMBIA.

A Funk

Can J Bot 47(10):1509-1511

Oct 1969 470 C16C

Blight, Fungus diseases (plants), *Larix occidentalis*.

15366-69

ACTION OF RESERPINE ON *DACUS OLEAE* GMEL. (FR)

E. Fytizas A. Baedyannis

Ann Epiphyt 19(4):623-628

1968 464.9 F84AN

Biological assay, Chemosensitilants, *Dacus oleae*, Insect eggs, Insect physiology, Ovaries, Oviposition, Reserpine. English abstract.

15367-69

THE COELOMIC VESICLES OF THE INTER-CALARY SEGMENT (PREMANDIBULAR) IN THE EMBRYO OF THE COLLEMBOLA ANURIDA MARITIMA (GUER.). (FR)

M Garaudy-Thmarelle

Acad Sci Compt Rend Ser D 269(2, 2ND SEMESTER):198-200

16 Jul 1969 505 P21

Collembola, Head, Insect eggs, Insect histology, Insect physiology.

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15384-69

WILD TURKEY ECTOPARASITES COLLECTED IN THE SOUTHEASTERN UNITED STATES.

F E Kellogg A K Prestwood R R Gerrish G L Doster

J Med Entomol 6(3):329-330

Aug 1969 421 J828

Ectoparasites, Surveys, Turkeys, Wildlife.

15385-69

ARBOVIRUS STUDIES IN THE OHIO-MISSISSIPPI BASIN, 1964-1967. II. ST. LOUIS ENCEPHALITIS VIRUS.

R H Kokernot J Hayes R L Will C H Tempelis D H M Chan Et Al

Amer J Trop Med Hyg 18(5):750-761 REF

Sep 1969 448.8 AM326

Arboviruses, Culex tarsalis, St. Louis encephalitis, Surveys.

15386-69

RESEARCH ON THE FOREST ECOSYSTEM. SERIES BI THE MIXED CALCICOLOUS OAK-CROP OF VIRELLES-BLAIMENT. CONTRIBUTION NO. 23. DIPTERA COLLECTED IN WATER JARS. (FR)

S Krizelj

Gembloux Inst Agron Bull Etat Ser Extraordinaire 4(1):111-120

1969 105.1 G285

Diptera, Forest insects, Quereus, Surveys.

15387-69

FEEDING HABITS OF TWO PHYLLOXERA SPECIES (PHYLLOXERIDAE, APHIDINA) ON OAK LEAVES. (GE)

H Kunkel

Z Angew Zool 54(4):517-525

1967 449.8 Z36

Feeding, Insect behavior, Insect histology, Insect morphology, Insect physiology, Leaves, Phylloxera cecinae, Phylloxera glabra, Phylloxeridae, Quereus, Styles, Tissues, Xylem. English summary

15388-69

OBSERVATIONS ON THE NESTING BEHAVIOR OF CROSSOCERUS (C.) MACULICLYPEUS (FOX) (HYMENOPTERA: SPhecidae).

F E Kureweski N A Burdick G C Gaumer

N Y Entomol Soc J 77(2):92-104 REF

Jun 1969 420 N48J

Crossocerus, Food habits, Insect behavior, Insect biology, Insect nests.

15389-69

HISTOCHEMICAL OBSERVATION ON PERIODIC-ACID-SCHIFF POSITIVE SUBSTANCES AND NUCLEIC ACIDS IN THE NORMAL AND DEGENERATED OVARY OF THE LADY BEETLE, EPILACHNA VIGINTIOCOTACULATA MOTSCHULSKY.

M Kurihara

Iwate Univ Fac Agr J 9(1):1-15 REF

Aug 1968 107.6 IW93

Epilachna, Histochemistry, Nucleic acids, Oogenesis, Ovaries.

15390-69

COPROPHILOUS FLIES. (RU)

V Lavchev

Priroda (Sofia) (5, SEP-OCT):73-76

Oct 1967 410 P934

Coprophilic insects, Diptera, Insect biology.

15391-69

THE FLIGHT OF INSECTS. (RUS)

V Lavchev

Priroda (Sofia) (4, JUL-AUG):56-59

Aug 1967 410 P934

Flight patterns, Insect behavior, Insect flight.

15392-69

CORPORA ALLATA AND GENETIC INSTINCT IN CALOTERMES FLAVICOLLIS FABR. THE RELEASE OF SEXUAL ACTIVITY IN YOUNG

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15400-69

PHORESIA OF DAMALINIA (C.) MEYERI (MALLOPHAGA) AND LAMPROCHERES NODOSUS (PSEUDOSCORPIONIDEA) ON MOSQUITOES AEDES STICTICUS (CULICIDAE).

J Minar

Folia Parasitol 13(3):270-273

1967 436.8 C33

Aedes sticticus, Chelonthidae, Culicidae, Damalinia meyeri, Deer, Insect behavior, Lamprocheres nodosus, Mallophaga, Parasitic insects, Phoresy.

15401-69

ATTEMPTS TO COMBAT THE STRAINS OF CARROT AND ONION FLIES RESISTANT TO ORGANO-HALOGEN INSECTICIDE PRODUCTS. (FR)

J Missonnier J Arnoux E Brunel G Portier R Oudinet

Phytat-phytopharm 15(3):193-212 REF

1966 464.8 P564

Chemical control (insects), Eumerus strigatus, Halogen compounds, Insecticide resistant insects, Organic compounds, Psila rosac.

15402-69

HEMAGGLUTINATION WITH CYTOPLASMIC-POLYHEDROSIS VIRUS OF THE SILKWORM, BOMBYX MORI.

S Miyajima

Virology 39(2):347-348

Oct 1969 448.8 V81

Cytoplasm, Hemagglutination, Insect biochemistry, Insect diseases, Insect histology, Polyhedroses, Bombyx mori, Viruses.

15403-69

A COMPARISON OF MOSQUITO CATCHES WITH MINIATURE LIGHT TRAPS AND CO-2-BAITED TRAPS.

C D Morris G R DeFoliart

Mosquito News 29(3):424-426

Sep 1969 421 M85

Carbon dioxide, Culicidae, Light traps, Surveys.

15404-69

THE SOLUBLE PROTEINS OF DEVELOPING CALLIPHORA ERYTHROCEPHALA, PARTICULARLY CALLIPHORIN, AND SIMILAR PROTEINS IN OTHER INSECTS.

E A Munn G D Greville

J Insect Physiol 15(10):1935-1950 REF

Oct 1969 421 J825

Calliphora vicina, Chemical analysis, Electron microscopy, Electrophoresis, Insect biochemistry, Insect physiology, Proteins.

15405-69

DISTRIBUTION OF FOODPLANT CHEMORECEPTORS ON THE FEMALE FLORIDA QUEEN BUTTERFLY, DANAS GILIPPIUS BERENICE (NYMPHALIDAE).

J Mycrs

Lepidopterists Soc J 23(3):196-198

24 Sep 1969 421 L554

Chemoreceptors, Insect physiology, Nymphalidae.

15406-69

THE PROCTODEAL CUTICLE OF INSECTS: EVIDENCE OF EPICUTICULAR DEPRESSIONS FROM THE SWEEP ELECTRON MICROSCOPE. (FR)

C Noirot C Bayon

Acad Sci Compt Rend Ser D 269(11, 2ND SEMESTER):996-999 REF

15 Sep 1969 505 P21

Cuticle, Electron microscopy, Insect physiology.

15407-69

RAT-FLEA INDICES, RAINFALL, AND PLAGUE OUTBREAKS IN VIETNAM, WITH EMPHASIS ON THE PLEIKU AREA.

W P Olson

Amer J Trop Med Hyg 18(4, PT 1):621-628 REF

Jul 1969 448.8 AM326

Plague, Rainfall, Rats, Surveys, *Xenopsylla cheopis*.
15408-69
DEOXYRIBONUCLEOSIDE MONOPHOSPHOKINASES OF SILKWORM PUPAE INFECTED AND UNINFECTED WITH NUCLEAR POLYHEDROSIS VIRUS.
K Onodera M Himeno F Sakai I Morishima
Agr Biol Chem 32(2):185-190
Feb 1968 385 AG8B
Adenosine, *Bombyx mori*, Cytidine, Deoxyribonucleic acid, Enzymes, Extracts, Guanine, Insect biochemistry, Insect diseases, Kinases, Nuclear polyhedrosis virus, Pupae, Thymine, Uracil, Virology.

15409-69
DATA ON OOGENESIS IN A PARTHENOGENIC COLLEMBOLA, ISOTOMIDAE. (FR)
C Palevsky
Acad Sci Compt Rend Ser D 269(2, 2ND SEMESTER):183-186
16 Jul 1969 505 P21
Collembola, Insect histology, Insect physiology, Oogenesis, Parthenogenesis.

15410-69
INTERACTIONS BETWEEN LARVAE OF *AEDES AEGYPTI* (L.) AND *CULEX PIPiens* L. IN MIXED EXPERIMENTAL POPULATIONS.
M T Peters B J Chevone R A Callahan
Mosquita News 29(3):435-438
Sep 1969 421 M85
Aedes aegypti, *Culex pipiens*, Larvae, Population, Statistical analysis.

15411-69
OVIPOSITION RESPONSE OF *AEDES SOLICITANS*, *AEDES TAENIORHYNCHUS*, AND *PSOROPHORA CONFINNIS* TO SEVEN INORGANIC SALTS.
J J Peterson
Mosquita News 29(3):472-483
Sep 1969 421 M85
Aedes sollicitans, *Aedes taeniorhynchus*, Chlorides, Inorganic compounds, Oviposition, *Psorophora confinnis*, Repellency tests, Salts, Sodium.

15412-69
OBSERVATIONS OF A MERMITHID NEMATODES PARASITIC IN ORTHOPODOMYIA SIGNIFERA (COQUILLETT) (DIPTERA: CULICIDAE).
J J Peterson O R Willis
Mosquita News 29(3):492-493
Sep 1969 421 M85
Insect biology, Insect ecology, Orthopodomyia.

15413-69
OSMOTIC REGULATION AND RECTAL ABSORPTION IN THE BLOWFLY, *CALLIPHORA ERYTHROCEPHALA*.
J E Phillips
Can J Zool 47(5):851-863 REF
Sep 1969 470 C16D
Absorption, *Calliphora vicina*, Chlorides, Hemolymph, Insect biochemistry, Insect physiology, Osmotic pressure, Rectum, Urine.

15414-69
LIGHT AND CIRCADIAN RHYTHMS.
C S Pittendrigh D Minis
Int Congress Phatabiol Abs 5:122
1968 QH651.15
Diurnal rhythm, Light, *Pectinophora gossypiella*, Photoperiodism, Spectrochemistry.

15415-69
ORIENTATION OF *MYZUS PERSICAE* (SULZ.) TO LIGHT.
J Pospisil
Acta Ent Bohemoslov 60(1-2):94-98
1963 420 C33
Attractants, Beets, Color, Insect behavior, Light, *Myzus persicae*. Czech summary.

15416-69
FEASIBILITY AND OUTLOOK FOR RESULTS OF GRANULATED INSECTICIDE APPLICATION AGAINST FOREST PESTS. (GE)
M Postner
Z Angew Entomol 60(4):493-500 REF
Nov 1967 421 Z36
Adelges abietis, *Aegveilla abietis*, Aphididae, *Cryptorhynchus lapathi*, Forest insects, Formulations, Insect control, Insect outbreak forecasting, Insect pests, Insecticide application. English summary

15417-69
MECHANICAL PROPERTIES OF INSECT FIBRILLAR MUSCLE AT LARGE AMPLITUDES OF OSCILLATION.
J W S Pringle R T Tregear
Ray Soc Proc Ser B Biol Sci 174(1034):33-50 REF
07 Oct 1969 501 L84B
Insect physiology, *Lethocerus*, Muscles, Oscillation, Tension.

15418-69
VIRUSLIKE PARTICLES IN ADULT DROSOPHILA MELANOGASTER.
P M M Rae M M Green
34(1):187-189
Jan 1968 448.8 V81
Drosophila melanogaster, Insect diseases, Virus diseases (animals), Viruses.

15419-69
MYCOPLASMA-LIKE BODIES IN THE SALIVA OF THE LEAFHOPPER MACROSTELES FASCIFRONS (STAL) (HOMOPTERA: CICADELLIDAE).
J Raine A R Forbes
Can J Microbiol 15(9):1105-1107 REF
Sep 1969 448.8 C162
Cicadellidae, Insect vectors, *Macrosteles fascifrons*, Methodology, Saliva, Salivary glands.

15420-69
STUDIES ON BIOLOGY OF *FERRISIA VIRGATA* CKLL. PSEUDOCOCCIDAE: HOMOPTERA) IN MADHYA PRADESH.
R R Rawat B N Modi
Indian J Agr Sci 39(3):274-281 REF
Mar 1969 22 AG831
Insect biology, Pseudococcidae.

15421-69
BIOLOGY AND NATURAL ENEMIES OF THE BRINJAL MEALY-BUG, *CENTROCOCCUS INSOLITIS* (GREEN) IN MADHYA PRADESH.
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Indian J Agr Sci 39(1):112-116 REF
Jan 1969 22 AG831
Coccidae, Crop losses, India, Insect biology.

15422-69
PRELIMINARY OBSERVATIONS ON THE EMBRYONIC DEVELOPMENT OF *PISSODES NOTATUS* F. (COL., CURCULIONIDAE). (FR)
A-P Ressouches
Acad Sci Compt Rend Ser D 269(2, 2ND SEMESTER):191-194
16 Jul 1969 505 P21
Curculionidae, Insect eggs, Insect histology, Insect physiology.

15423-69
DAILY FLIGHT ACTIVITY OF MALE *TABANUS LINEOLAE* VAR. *HINELLUS PHILIP* (DIPTERA: TABANIDAE) IN THE ESTUARINE AREA OF LOUISIANA.
C G Richardson B H Wilson
J Med Entomol 6(3):276-277
Aug 1969 421 J828
Insect behavior, Insect flight, Light, *Tabanus lineolae*.

15424-69
RESEARCH ON CRANEFLY POPULATIONS. THE EFFECT OF CERTAIN ECOLOGICAL FACTORS ON *TIPULA PALUDOSA* MEIG. (FR)
G Ricou
Ann Epiphyt 18(4):451-481 REF
1967 464.9 F84AN
Climate, Insect behavior, Insect ecology, Microorganisms, Population, *Tipula paludosa*, Tipulidae. English summary

15425-69
METHOD FOR DETERMINING *BACILLUS THURINGIENSIS* VAR. *THURINGIENSIS* BERLINER IN SOIL.
S M Saleh R F Harris O N Allen
Can J Microbiol 15(9):1101-1104 REF
Sep 1969 448.8 C162
Bacillus thuringiensis, Ecology, Methodology, Soil microorganisms.

15426-69
THE INFLUENCE OF TEMPERATURE IN THE RESPONSE OF DROSOPHILA MELANOGASTER TO ANESTHESIA. (FR)
D Sillans
Acad Sci Compt Rend Ser D 269(12):1093-1096
22 Sep 1969 505 P21
Anesthesia, Carbon dioxide, *Drosophila melanogaster*, Ethyl ether, Insect physiology, Temperature.

15427-69
SEXUAL FORMS OF THE PEA APHID, *ACYRTHOSIPHON PISUM*, PRODUCED ON AN ARTIFICIAL DIET.
O R W Sutherland T E Mittler
Entomol Exp Appl 12(2):240-241
1969 421 EN895
Acyrtosiphon pisum, Diet, Insect morphology, Insect nutrition, Insect rearing, Sex.

15428-69
A VIRUS DISEASE OF *PIERIS RAPAE* (L.) IN QUEENSLAND.
R E Teakle
Queensland J Agr Anim Sci 26(2):283-284
Jun 1969 23 Q37
Crop losses, Crop yields, Hail, Plant injuries, Tobacco.

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CHANGES IN SOME HAEMOLYMPH DEHYDROGENASE ISOZYMES OF THE FEMALE HONEYBEE, *APIS MILLIFERA* L., DURING CASTE DEVELOPMENT.
R K Tripathi S E Dixon
Can J Zool 47(5):763-770 REF
Sep 1969 470 C16D
Apis mellifera, Dehydrogenases, Electrophoresis, Hemolymph, Insect biochemistry, Insect physiology, Spectrophotometry.

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AN INTERESTING CASE OF SWARMING OF CICADATRA XANTES WALK. (HOMOPTERA).
M V Venkatesh
Plant Protect Bull 19(4):30
1967 421 P69
Cicadidae, Insect behavior, Swarming.

15431-69
AUTOGENY IN *CULEX PEUS SPEISER*.
R K Washino F Shad-Del
Mosquito News 29(3):493-495
Sep 1969 421 M85
Autogeny, *Culex*, Insect biology, Reproduction.

15432-69
A NEW PARASITE OF *CULEX PIPiens* L., ENTOMOPHTHORA DESTRUENS SP.N. (PHYCOMYCETES, ENTOMOPHTHORACEAE).
J Weiser A Batko
Folia Parasitol 13(2):144-149
1966 436.8 C33
Culex pipiens, Entomogenous fungi, Entomophthora destruens, Entomophthoraceae, Insect diseases, Insect eggs, Phycomycetes.

15433-69
THE TRANSITORY NATURE OF *AEDES AEGYPTI* LARVAL HABITATS IN AN URBAN SITUATION.
D L von Winoeguth D A Eliason J W Kilpatrick W L Jakob

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15434-69

Mosquito News 29(3):495-496

Sep 1969 421 M85

Aedes aegypti, Habitats, Insect ecology, Larvae, Urbanization.

15434-69

EFFECT OF PHOTOPERIOD ON PATTERNS OF OVIPOSITION OF ANOCENTOR NITENS NEUMANN (ACARINA: IXODIDAE).

J E Wright

J Med Entomol 6(3):257-262 REF

Aug 1969 421 J828

Anocentor nitens, Insect behavior, Insect physiology, Oviposition, Photoperiodism.

GENETICS

15435-69

VITALITY OF THE CROSSBREEDS FROM BOMBYX MORI L..(RUS)

G Kanarev

Priroda (Sofia) (4,JUL-AUG):54-55

Aug 1967 410 P934

Heterosis, Hybrids, Insect genetics, Bombyx mori.

15436-69

STUDIES ON KARYOTYPES OF SOME JAPANESE MOSQUITOES.

T Kanda

Jap J Exp Med 38(1):37-46

Feb 1968 448.8 J272

Chromosomes, Culicidae, Insect genetics, Reproductive organs.

15437-69

AN EXPERIMENTAL APPROACH TO THE STUDY OF MULTIPLE PEAK EPISTASIS IN DROSOPHILA MELANOGASTER.

R F Nassar

Australian J Biol Sci 22(4):925-933

Aug 1969 442.8 AU72

Drosophila melanogaster, Genes, Hair, Insect genetics, Insect rearing.

15438-69

THE SALIVARY GLAND CHROMOSOMES OF PROSIMULIUM MULTIDENTATUM TWINN AND THREE FORMS INCLUDED IN PROSIMULIUM MAGNUM (DYAR AND SHANNON) (DIP-TERA: SIMULIIDAE).

P O Ottocen R Nambiar

Can J Zool 47(5):943-949 REF

Sep 1969 470 C16D

Chromosomes, Insect genetics, Morphology, Prosimulium, Salivary glands, Zoogeography.

15439-69

ORIENTATION AND SEGREGATION OF ASYNAPTIC MULTIPLE SEX CHROMOSOMES IN THE MALE OMOPHOITA CLERICA ERICHSON (COLEOPTERA: ALTICIDAE).

N Virkki

Hereditas 57(1-2):275-288 REF

1967 442.8 H42

Cell division, Chromosomes, Chrysomelidae, Insect genetics, Insect rearing, Omophoita clerica, Reproduction, Sex.

MEDICAL ENTOMOLOGY

15440-69

EFFECTIVENESS OF INSECTICIDAL RESIDUES ON U. S. ARMY. TENTING AGAINST ANOPHELES SSP..

R M Altman J B Gahan

Mosquito News 29(3):415-418

Sep 1969 421 M85

Anophles, Chlordane, Dairy equipment, Diazinon, Diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate, O, O, DDT, Insecticide residues, Malathion, Moba.

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THE EFFECTIVENESS OF FLIT MILO AGAINST AEDES TAENIORHYNCHUS LARVAE ON GRAND CAYMAN, BRITISH WEST INDIES.

J A Armstrong

Mosquito News 29(3):489-490

Sep 1969 421 M85

Aedes taeniorhynchus, Chemical control (insects), Larvae, Oils.

15442-69

LABORATORY TESTS OF THE SUSCEPTIBILITY OF MOSQUITO LARVAE TO INSECTICIDES IN FLORIDA, 1968.

A H Boike C B Rathburn

Mosquito News 29(3):392-395

Sep 1969 421 M85

Aedes aegypti, Aedes sollicitans, Aedes taeniorhynchus, Chemical control (insects), Diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate, O, O, Dimethyl phosphorothioate O,O-diester 4,4'-thiidiophenol, O, Fenthion, Insecticides, Larvae, Malathion, Naled.

15443-69

JAPANESE ENCEPHALITIS VIRUS IN TAIWAN: PRELIMINARY EVIDENCE FOR CULEX ANNULUS THEOB. AS A VECTOR.

M D Cates R Detels

J Med Entomol 6(3):327-328

Aug 1969 421 J828

Culex, Disease transmission, Insect vectors, Japanese b encephalitis virus, Population, Surveys.

15444-69

THE RELATION OF VIRUS TAHYNA TO SOME SPECIES OF MOSQUITOES OF THE GENERA AEDES, CULEX AND ANOPHELES.

V Danielova

Folia Parasitol 13(2):97-102

1966 436.8 C33

Aedes, Anopheles, Culex, Culicidae, Culiseta annulata, Insect vectors, Tahyna virus.

15445-69

SEASONAL DISTRIBUTION OF MOSQUITOES OF HANCOCK COUNTY, MISSISSIPPI, 1964-1968.

F W Harden B J Poolson

Mosquito News 29(3):407-414 REF

Sep 1969 421 M85

Culicidae, Population, Seasonal variation, Surveys.

15446-69

SIMULATED FIELD TESTS WITH OVICIDES AGAINST AEDES AEGYPTI EGGS IN TIRES AND CANS.

W L Jakob

Mosquito News 29(3):402-407

Sep 1969 421 M85

Aedes aegypti, Amides, Cans, Chemical control (insects), Insect eggs, Ovicides.

15447-69

AN EVALUATION OF THE MOSQUITO CONTROL PROGRAM IN A SMALL MIDWESTERN URBAN COMMUNITY.

H Kessler C W Wingo

Mosquito News 29(3):446-450

Sep 1969 421 M85

Chemical control (insects), Evaluation, Fenthion, Larvicides.

15448-69

CHEMOSTERILANTS FOR CONTROL OF REPRODUCTION IN THE EYE GNAT (HIPPELATES COLLUSOR) AND THE MOSQUITO (CULEX QUINQUEFASCIATUS).

M S Mulla

Hilgardia 39(10):297-324 REF

Jul 1968 100 C12H

Apholate, Carboxyamides, Chemical control (insects), Chemosterilants, Culex pipiens quinquefasciatus, Hippelates collusor, Metepa, Reproduction, Tepa.

15449-69

SOME OBSERVATIONS ON HYDRA AMERICANA HYMEN AS A PREDATOR OF CULEX PEUS SPEISER MOSQUITO LARVAE.

A H Qureshi E C Bay

Mosquito News 29(3):465-471

Sep 1969 421 M85

Biological control (insects), Culex, Larvae, Predators.

15450-69

A STUDY OF FACTORS AFFECTING THE SUSCEPTIBILITY OF MOSQUITO LARVAE TO INSECTICIDES IN LABORATORY RESISTANCE TESTS.

C B Rathburn A H Boike

Mosquito News 29(3):395-401

Sep 1969 421 M85

Aedes aegypti, Aedes taeniorhynchus, Culex nigripalpus, Culex salinarius, Dimethyl phosphorothioate O,O-diester 4,4'-thiidiophenol, O, Fenthion, Insecticide resistant insects, Insecticides, Larvae, Malathion, Naled, Temperature.

15451-69

EFFECTS OF ULTRAVIOLET RADIATION ON ADULTS OF AEDES AEGYPTI (L.) (DIPTERA: CULICIDAE).

D F Riordan

Mosquito News 29(3):427-431

Sep 1969 421 M85

Aedes aegypti, Imagos, Insect control, Laboratory equipment, Mortality, Sterility, Ultraviolet rays.

15452-69

COMPARISON OF LARVAL BIOASSAY AND CHEMICAL ANALYSIS FOR ASSESSING AERIAL SPRAY DEPOSITS.

C H Schaefer A F Geib W H Wilder P A Gillies

Mosquito News 29(3):371-376

Sep 1969 421 M85

Aerial spraying, Biological assay, Chemical analysis, Chromatography, Culex pipiens quinquefasciatus, Diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate, O, O, Insecticide residues, Larvae.

15453-69

THE MOSQUITOES OF THE DAR-ES-SALAAM AREA, TANZANIA, WITH SPECIAL REFERENCE TO AEDES (STEGOMYIA) SPECIES AND THE EPIDEMIOLOGY OF YELLOW FEVER.

G Surtes

J Med Entomol 6(3):317-320 MAP REF

Aug 1969 421 J828

Aedes, Disease transmission, Habitats, Surveys, Yellow fever.

15454-69

ESTERASE ACTIVITY IN ORGANOPHOSPHORUS-TOLERANT STRAINS OF AEDES AEGYPTI.

M Ziv W A Brown

Mosquito News 29(3):456-461 REF

Sep 1969 421 M85

Aedes aegypti, Chemical control (insects), Electrophoresis, Esterases, Insect biochemistry, Insecticides, Malathion, Parathion, Tolerances.

CROP PROTECTION

15455-69

PEST AND DISEASE CONTROL SCHEDULES.

Anonymous

Plant Protect Bull 19(1):1-5

1967 421 P69

Benzene hexachloride, Chemical control (pests), Chemical control (plant diseases), Corn, D, 2,4, DDT, Endrin, Malathion, Pest control, Plant disease control, Wheat, Zinc phosphide.

15456-69
THE SAPROPHYTIC FUNGUS HYSTEROGRAPHIUM MORI (SCHW.) REHM, GROWING ON JUNIPERUS, A NEW SPECIES FOR CZECHOSLOVAKIA. (CZ)
K Dolejs
Prace Sb Vysoke Sk Zemed (SER A):77-85 REF 1966 S13.P72

Fungus diseases (plants), Juniperus, Plant geography, Plant taxonomy, Saprophytic fungi. German and Russian summaries.

15457-69
METHODS OF APPLICATION FOR THE USE OF LIQUID PRODUCTS IN SOIL FUMIGATION. (GE)
H Lenzner
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):224-225
Jan 1969 410.9 G31M

Methodology, Pesticide application, Soil fumigation. English abstract.

15458-69
THE APPLICATION TECHNIQUE OF GRANULATED SOIL FUMIGANTS. (GE)
A Schneider H Will J Kradel
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):226-230
Jan 1969 410.9 G31M

Methodology, Pesticide application, Soil fumigation. English abstract.

15459-69
DETERMINATION OF INDOLE DERIVATIVES IN PLANT MATERIAL. VIII. THE CONTENT OF GLUCOBRASSICINE IN VARIOUS RACES OF BRASSICA OLERACEA VAR. SABAUDA AND BRASSICA OLERACEA VAR. CAPITATA L. AND ITS RELATION TO THE GROWTH IN THESE PLANTS. (CZ)
M Valenta
Prace Sb Vysoke Sk Zemed (SER A):29-42 REF 1966 S13.P72

Brassica oleracea, Cabbage, Indole compounds, Plant biochemistry, Plant physiology, Plant regulators, Plant tissues. English and Russian summaries.

15460-69
DETERMINING THE INDOLE DERIVATIVES IN THE NATURAL MATERIAL. VII. FLUORIMETRIC DETERMINATION OF THE INDOLE-3-ACETIC ACID, INDOLE-3-PROPIONIC ACID AND INDOLE-3-BUTYRIC ACID. (CZ)
M Valenta M Kutacek
Prace Sb Vysoke Sk Zemed (SER A):19-27 REF 1966 S13.P72

Fluorometry, Indoleacetic acid, Indolebutyric acid, Plant biochemistry, Plant extracts, Propionic acid, Vegetables. English and Russian summaries.

15461-69
ECONOMIC APPLICATION OF PESTICIDES IN GLASS-HOUSES. (GE)
E Wendland H Junker H Kees
Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):220-223
Jan 1969 410.9 G31M

Greenhouses, Methodology, Pesticide application. English abstract

15462-69
MATURATION OF SCLEROTIA PRODUCED BY SCLEROTIUM ROLFSII. (CZ)
L Wu
Int Congress Photobiol Abs 5:40
1968 QH651.15

Biosynthesis, Carotenoids, Fungi, Light, Melanins, Oxygen, Pigments (plant), Plant physiology, Sclerotium rolfsii.

DISEASES

15463-69
OBSERVATIONS ON THE GLADIOLUS NECROTIC DISEASE. (FR)
J. Albouy
Ann Epiphyt 19(OUTSIDE SERIES):189-195
1968 464.9 F84AN

Gladiolus, Necrosis, Soil-borne plant diseases, Virus diseases (plants). English and German abstracts.

15464-69
CATTLE MASTITIS BREAKTHROUGH. (FR)
Anonymous
Agr Soc Trinidad Tobago J 69(1):555-557
Mar 1969 8 T73
Antibiotics, Cattle, Dipping, Hypochlorites, Livestock diseases, Mastitis.

15465-69
PURIFICATION OF TURNIP YELLOW MOSAIC VIRUS REPLICASE IN A FORM DEPENDENT ON THE MODEL. (FR)
S Astier-Manifacier P Cornuet
Acad Sci Compt Rend Ser D 269(11, 2ND SEMESTER):1039-1042
15 Sep 1969 505 P21
Biochemistry, Yellow mosaic (turnips).

15466-69
EFFICIENCY OF THE SEROLOGICAL MICRO-METHOD APPLIED TO DETERMINATION OF THE SOUNDNESS OF POTATO SEEDINGS. (FR)
H Augier J Hir P Corre P Lann
Ann Epiphyt 18:217-226
1967 464.9 F84AN
Agar, Culture media, Diagnosis, Immunology, Potatoes, Serological tests, Virus diseases (plants), Virus Y. English and German summaries

15467-69
HOW TO COLLECT, PREPARE AND SHIP PLANT MATERIAL FOR DISEASE IDENTIFICATION. (CZ)
R Aycock H R Garriss J C Wells
N C Pesticide Manual 00(00):18-19
1968 79.8 N81
Antibiotics, Chemical control (plant diseases), Copper fungicides, Diagnosis, Fumigants, Fungus diseases (plants), Literature, Mercury compounds, Organic compounds, Plant diseases, Sulfur compounds, Surveys.

15468-69
HOW TO COLLECT, PREPARE AND SHIP PLANT MATERIAL FOR DISEASE IDENTIFICATION. (CZ)
R Aycock H R Garriss J C Wells
N C Pesticide Manual 00(00):18-22
1967 79.8 N81
Fungicides, Plant diseases, Plant storage.

15469-69
ORNAMENTAL AND FLORAL CROPS DISEASE CONTROL. (CZ)
R Aycock R D Milholland J C Wells H R Garriss
N C Pesticide Manual 00(00):92-96
1968 79.8 N81
Chemical control (plant diseases), Crops, Fungicides, Fungus diseases (plants), Nematocides, Ornamental plants, Pesticide application, Plant disease control, Plant nematodes, Surveys.

15470-69
RNA SYNTHESIS IN TOBACCO LEAVES INFECTED WITH TOBACCO MOSAIC VIRUS. (FR)
P Babos G B Shearer
Virology 39(2):286-295 REF
Oct 1969 448.8 V81
Leaves, Plant biochemistry, Ribonucleic acid, Synthesis, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

15471-69
CONTRIBUTION TO THE STUDY OF SOYBEAN BACTERIAL DISEASE IN WESTERN SERBIA. (CZ)
M Babovic R Numic
Zastita Bilja 12(91-92):331-335 REF
1966 464.8 Z1

Acids, Bacterial diseases (plants), Culture media, Morphology, Nicotiana glutinosa, Pseudomonas glycinea, Pseudomonas tabaci, Soybeans, Tobacco. English summary

15472-69
EVIDENCE THAT DOWNY MILDEW (SCLEROSPORA SORGHII) OF SORGHUM IS SEEDBORNE. (CZ)
D C Bain W W Alford
Plant Dis Rep 53(10):802-803
Oct 1969 1.9 P69P
Fungus diseases (plants), Sclerospora sorghi, Seed-borne plant diseases, Sorghum.

15473-69
A SURVEY AND CAUSAL ORGANISMS OF TWIG BLIGHT DISEASE OF MANDARIN ORANGES IN DARJEELING DISTRICT, WEST BENGAL, INDIA. (CZ)
S K Banerjee S K Mukherji
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(6):350-354
Jun 1967 464.8 Z3
Citrus, Colletotrichum gloeosporioides, Fungus diseases (plants), Fusarium solani, Fusarium stilboeides, Mandarin oranges, Twig blight.

15474-69
INCIDENCE OF MACROPHOMINA PHASEOLI (MAUBL.) ASH., (RHIZOCTONIA BATATICOLA TAUB.) IN FRENCH BEANS (PHASEOLUS VULGARIS L.) AND OTHER CULTIVATED PLANTS. (CZ)
M Barreto Figueiredo J Teranishi R M G Cardoso
Biologico 35(5):105-109 REF
May 1969 442.8 B529
Beans, Fungus diseases (plants), Macrophomina phaseoli, Mycology, Surveys.

15475-69
SEARCH INTO STEM PITTING, SPY EPINASTY AND CHLOROTIC LEAF SPOT OF APPLES. (GER)
G Baumann
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(11/12):645-659 REF
Nov 1967 464.8 Z3
Apples, Chlorotic leafspot, Crabapples, Decline, Epinasty, Injections, Stem pitting, Virus diseases (plants). English summary

15476-69
THE CURRENT STATUS OF THE KNOWLEDGE OF THE X GROUP OF POTATO VIRUSES. (CZ)
R Bercks
Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):204-208 REF
1969 448.3 C33 (1)
Morphology, Mosaic, Physiology, Potatoes, Reviews, Virus diseases (plants), Virus X. English abstract.

15477-69
INFLUENCE OF SOME PESTICIDES ON VARIOUS SOURCES OF YEAST. (FR)
P Bidan M Demcaux
Phytat-phytopharm 15(3):147-163
1966 464.8 P564
Chlorinated hydrocarbons, DDT, Fermentation, Fungicides, Pesticides, Yeasts.

15478-69
STEM CANKER. I. OBSERVATIONS ON KNOB-BY SECOND GROWTH. (CZ)
H G Blanco J Casado Montojos
Rubber Res Inst Malaya Plant Bull (102):103-104
May 1969 78.9 R825

Cultural control (plant diseases), Fungus diseases (plants), Hevea, Humidity, Petrolatum, Phytophthora, Plant diseases, Plant nutrition, Plant physiology, Potatoes, Pythium, Temperature.

15479-69

PHYSIOLOGICAL DISEASES IN POTATOES (SOLANUM TUBEROSUM L.). I. OBSERVATIONS ON KNOBBY SECOND GROWTH.

H G Blanco J Casado Montojos

Biologico 35(5):110-115 REF

May 1969 442.8 B529

Humidity, Plant diseases, Plant nutrition, Plant physiology, Potatoes, Temperature.

15480-69

THE RASPBERRY RINGSPOT VIRUS AND ITS CELL INCLUSION BODIES. (GE)

M Bujas D Millicic

Zentralbl Bakteriol Parasitenk Infektionskr Hyg Abt 1 Orig 123(3):209-213

1969 448.3 C33 (1)

Inclusion bodies, Plant physiology, Raspberries, Ring spot, Virus diseases (plants). English abstract.

15481-69

AN ANTHRACNOSE OF CELERY CAUSED BY COLLETOTRICHUM ORBICULARE (BERK. AND MONT.) ARX.

D J Burden

Queensland J Agr Anim Sci 26(2):277-281

Jun 1969 23 Q37

Anthracnose, Celery, Colletotrichum, Diagnosis, Fungus diseases (plants), Pathogenicity.

15482-69

RESISTANCE OF THE RED BEET CULTIVAR AVONEARLY TO INFECTION BY PERONOSPORA FARINOSA F.SP. BETAEE.

A G Channon

Plant Pathol 18(2):89-93

Jun 1969 446.8 P692

Beets, Cultural control (plant diseases), Fungus diseases (plants), Peronospora farinosa, Plant disease resistance, Roots, Seeds, Temperature.

15483-69

MECHANISM OF PHOTOREACTIVATION OF PLANT VIRUSES.

M Chessin A K Mukherjee

Int Congress Photobiol Abs 5:47

1968 QH651.15

Photochemistry, Temperature, Virology, Virus diseases (plants).

15484-69

STRAWBERRY DISEASE CONTROL.

C N Clayton J C Wells

N C Pesticide Manual 00(00):78

1968 79.8 N81

Captan, Fungicides, Fungus diseases (plants), Nematicides, Pesticide application, Plant disease control, Plant nematodes, Strawberries, Thiram.

15485-69

APPLE SPRAY PROGRAM.

C N Clayton J Falter

N C Pesticide Manual 00(00):68-69

1967 79.8 N81

Apples, Fungicides, Orchards, Spraying.

15486-69

BUNCH GRAPE SPRAY PROGRAM.

C N Clayton H R Garriss J Falter

N C Pesticide Manual 00(00):70

1967 79.8 N81

Anthracnose, Chemical control (insects), Chemical control (plant diseases), Fungus diseases (plants), Grapes, Insect control, Spraying.

15487-69

STUDY OF THE FIRST STAGES OF THE INFECTION OF (VINCA ROSEA) L. BY (CLOVER, PHYLLODY) VIRUS FROM IT INOCULATED POINT BY MEANS OF GRAFTING. (FR)

M T Cousin C Grison

Ann Epiphyt 18:183-188

1967 464.9 F84AN
Clover, Injections, Nodules (plants), Phyllody, Plant disease transmission, Plant grafting, Vinca rosea, Virus diseases (plants). English and German summaries

15488-69
INFECTION OF BEAN ROOT-MERISTEMS BY TOBACCO RINGSPOT VIRUS.
N C Crowley E M Davison R I B Franck G K Owusu
Virology 39(2):322-330 REF
Oct 1969 448.8 V81
Electron microscopy, Peas, Plant cytology, Plant physiology, Ring spot, Roots, Tobacco, Virus diseases (plants).

15489-69
OBSERVATION ON NEGATIVELY STAINED TOBACCO RINGSPOT VIRUS AND ITS TWO RNA-DEFICIENT COMPONENTS.
E M Davison R I B Franck
Virology 39(2):235-239 REF
Oct 1969 448.8 V81
Electron microscopy, Ribonucleic acid, Ring spot, Staining, Tobacco, Virus diseases (plants).

15490-69
IDENTIFICATION, PURIFICATION AND IMMUNO-ELECTROPHORETIC ANALYSIS OF THE CARNATION MOTTLE AND RINGSPOT VIRUSES. (FR)
J C Devergne L Cardin
Ann Epiphyt 18:65-83 REF
1967 464.9 F84AN
Agar, Antigens, Centrifugation, Culture media, Dianthus caryophyllus, Electrophoresis, Immunology, Morphology, Mottle, Ring spot, Serological tests, Virology, Virus diseases (plants). English and German summary

15491-69
UTILIZATION OF THE SEROLOGICAL REACTION IN IMMUNODIFFUSION FOR THE CARNATION MOTTLE VIRUS AS A DIAGNOSTIC TEST. (FR)
J C Devergne L Cardin
Ann Epiphyt 18:85-103 REF
1967 464.9 F84AN
Agar, Antigens, Chenopodium, Culture media, Diagnosis, Dianthus caryophyllus, Immunology, Indexing, Mottle, Mottle (carnations), Serological tests, Virus diseases (plants). English and German summaries

15492-69
RECOGNITION OF THE BLOTTING BACTERIA OF SOLANUM FROM THE FRENCH WEST INDIES. (FR)
B Digat A Escudie
Phytat-phytopharm 16(3):187-197 REF
Sep 1967 464.8 P564
Acetic acid, Agglutination, Bacterial diseases (plants), Pseudomonas solanacearum, Serological tests, Solanum.

15493-69
CHANGES IN THE REACTION TO POWDERY MILDEW OF CERTAIN BARLEY CULTIVARS.
D A Doling
Plant Pathol 18(2):56-61
Jun 1969 464.8 P692
Barley, Erysiphe graminis, Fungus diseases (plants), Genes, Plant disease resistance, Plant physiology, Powdery mildew.

15494-69
A RAPID METHOD OF IDENTIFICATION OF PRUNUS NECROTIC RING SPOT. (FR)
J Dunec
Ann Epiphyt 18:115-124 REF
1967 464.9 F84AN
Chenopodium quinoa, Diagnosis, Indexing, Leaves, Methodology, Necrotic ring spot, Peaches, Plant ecology, Plant extracts, Prunus, Serological tests, Trees, Virus diseases (plants). English and German summaries

15495-69
CHRYSANTHEMUM ASPERMY VIRUS, SYMPTOMS AND DIAGNOSTIC. (FR)
J Dunec M Monsion
Ann Epiphyt 18:105-113
1967 464.9 F84AN
Aspermity, Chrysanthemum, Diagnosis, Mosaic, Petunia hybrida, Plant extracts, Serological tests, Virus diseases (plants). English and German summaries

15496-69
POSSIBILITIES OF FREEING CHRYSANTHEMUMS FROM MOSAIC AND ASPERMY VIRUSES. (FR)
J. Dunec M. Monsion
Ann Epiphyt 19(OUTSIDE SERIES):165-175 REF
1968 464.9 F84AN
Aspermity, Chrysanthemum, Heat treatment, Mosaic, Petunia, Virus diseases (plants). English and German abstracts.

15497-69
PERSISTENCE OF THE INHIBITORY EFFECT OF MINERAL OIL IN REGARD TO THE TRANSMISSION OF BEET YELLOWS VIRUS BY APHIDS. (FR)
A Dutrecq J Vanderveken
Gembloix Inst Agron Bull Etat Ser Extraordinaire 4(1):66-75
1969 105.1 G285
Beets, Disease transmission, Inhibitors, Myzus persicae, Oils, Virus diseases (plants), Yellows. English abstract.

15498-69
INFLUENCE OF FUNGICIDES AND INSECTICIDES ON THE OCCURRENCE OF ASPERGILLUS ON PEANUT SEEDLINGS. II. SEED TREATMENTS. (GE)
M El-Khadem
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(3):151-160
Mar 1968 464.8 Z3
Aspergillus, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Insecticides, Peanuts, Plant morphology, Seed treatment, Seedlings, Thiram, Toxicology.

15499-69
SOME OBSERVATIONS ON THE PRESENCE OF CORYNEBACTERIUM FASCIAE (TILFORD) DOWSON IN MARKETABLE AND FLORAL CULTIVATION IN FRANCE. (FR)
A Faivre-Amiot
Phytat-phytopharm 16(3):165-176
Sep 1967 464.8 P564
Bacterial diseases (plants), Corynebacterium fasciae, Crops, Dahlia, Plant galls, Strawberries, Wood decay.

15500-69
EFFECT OF MAIZE DWARF MOSAIC VIRUS INFECTION ON INVASION OF CORN PLANTS BY FUSARIUM MONILIFORME.
M C Futrell G E Scott
Plant Dis Rep 53(8):600-602
Aug 1969 1.9 P69P
Corn, Dwarf disease, Fungus diseases (plants), Fusarium moniliforme, Mosaic, Virus diseases (plants).

15501-69
IN-ROW FUNGICIDES FOR SEEDLING DISEASE CONTROL IN COTTON.
H R Garriss W E Cooper
N C Pesticide Manual 00(00):51
1967 79.8 N81
Cotton, Fungicides, Plant diseases, Seedlings.

15502-69
VEGETABLE SEED TREATMENT.
H R Garriss J C Wells S F Jenkins D L Strider L W Niels
N C Pesticide Manual 00(00):138-139
1968 79.8 N81

Chemical control (plant diseases), Fungus diseases (plants), Pesticide application, Plant diseases, Vegetables.

15503-69
DEWBERRY AND RASPBERRY FUNGICIDAL SPRAY PROGRAMS.
 H R Garriss C N Clayton
N C Pesticide Manual 00(00):75
 1968 79.8 N81
 Berries, Bordeaux mixture, Chemical control (plant diseases), Ferbam, Fungicides, Fungus diseases (plants), Raspberries.

15504-69
VEGETABLE CROP SPRAY AND DUST SCHEDULE FOR DISEASE CONTROL.
 H R Garriss J C Wells S F Jenkins D L Strider L W Nielsen
N C Pesticide Manual 00(00):127-130
 1968 79.8 N81
 Chemical control (plant diseases), Dusting, Fungicides, Fungus diseases (plants), Pesticide application, Spraying, Vegetables.

15505-69
FIELD CROP SEED TREATMENT.
 H R Garriss J C Wells T T Herbert W E Cooper
N C Pesticide Manual 00(00):59-60
 1968 79.8 N81
 Chemical control (plant diseases), Field crops, Fungus diseases (plants), Plant diseases, Seed treatment, Surveys.

15506-69
IN-ROW FUNGICIDES FOR SEEDLING DISEASE CONTROL IN COTTON.
 H R Garriss W E Cooper
N C Pesticide Manual 00(00):53
 1968 79.8 N81
 Chemical control (plant diseases), Cotton, Fungicides, Fungus diseases (plants), Seedling disease (cotton).

15507-69
CHEMICALS FOR CONTROL OF PLANT DISEASES.
 H R Garriss J C Wells
N C Pesticide Manual 00(00):15-17
 1967 79.8 N81
 Antibiotics, Chemical control (plant diseases), Fumigants, Plant diseases.

15508-69
VEGETABLE SEED TREATMENT.
 H R Garriss J C Wells D L Strider L W Nielsen
N C Pesticide Manual 00(00):135-136
 1967 79.8 N81
 Mercury compounds, Seed treatment, Seed-borne plant diseases, Thiram, Vegetables.

15509-69
DEWBERRY AND RASPBERRY FUNGICIDAL SPRAY PROGRAMS.
 H R Garriss C N Clayton
N C Pesticide Manual 00(00):72
 1967 79.8 N81
 Berries, Ferbam, Fungicides, Lime-sulfur, Spraying.

15510-69
VEGETABLE CROP SPRAY AND DUST SCHEDULE FOR DISEASE CONTROL.
 H R Garriss J C Wells S F Jenkins D L Strider L W Nielsen
N C Pesticide Manual 00(00):124-127
 1967 79.8 N81
 Chemical control (plant diseases), Dusting, Fungicides, Spraying, Vegetables.

15511-69
SWEET POTATO STORAGE HOUSE STERILIZATION.
 H R Garriss L W Nielsen D V Phillips
N C Pesticide Manual 00(00):119
 1967 79.8 N81
 Chloropicrin, Fumigation, Mercury, Storage diseases, Sulfur, Sweetpotatoes.

15512-69
FIELD CROP SEED TREATMENT.
 H R Garriss J C Wells T T Herbert W E Cooper
N C Pesticide Manual 00(00):57-58
 1967 79.8 N81
 Chemical control (plant diseases), Crops, Seed treatment, Seed-borne plant diseases.

15513-69
AN ISOLATE OF NEW RACE 50 OF ERYSPHIE GRAMINIS F. SP. TRITICI ATTACKING THREE WHEAT RESISTANCE SOURCES.
 M S Ghemawat
Plant Dis Rep 53(10):834-837 REF
 Oct 1969 1.9 P69P
 Erysiphe graminis, Fungus diseases (plants), Plant disease resistance, Wheat.

15514-69
ACTION OF THIABENDAZOLE COMPARED TO THAT OF ETHYLPARATHION ON RYE-GRASS CROWN RUST. (FR)
 J Gondran
Phytiatr-phytopharm 15(3):171-175
 1966 464.8 P564
 Chemical control (plant diseases), Crown rust, Ethyl parathion, Fungicides, Fungus diseases (plants), Lolium, Organophosphorus compounds, Thiabendazole.

15515-69
VIRUSES INFECTING CUCURBITS IN QUEENSLAND.
 R S Greber
Queensland J Agr Anim Sci 26(2):145-171 REF
 Jun 1969 23 Q37
 Cucurbits, Insect vectors, Mosaic, Pumpkins, Squash, Virology, Virus diseases (plants).

15516-69
ATTEMPTS AT FIGHTING THE BACTERIAL GROWTH OF THE WALNUTTREE. (FR)
 J Grente P J Averscng
Phytiatr-phytopharm 16(3):177-186
 Sep 1967 464.8 P564
 Bacterial diseases (plants), Humidity, Juglans, Oxytetracycline, Streptomycin, Tree diseases, Xanthomonas juglandis.

15517-69
ASSOCIATION OF TOBACCO RATTLE VIRUS WITH MITOCHONDRIA.
 B D Harrison I M Roberts
J Gen Virol (3, PT 1):121-124
 Jul 1968 QR360.1A16
 Mitochondria, Rattle disease, Tobacco, Virus diseases (plants).

15518-69
ON THE TRANSMISSION OF TOMATO BLACK RING VIRUS BY LONGIDORUS ATTENUATUS (NEMATODA).
 D Harrison
Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):226-229 REF
 1969 448.3 C33 (1)
 Black ring, Cucumbers, Longidorus, Plant disease transmission, Plant nematodes, Tomatoes, Virus diseases (plants).

15519-69
PHOTOREACTIVATION SPECTRUM OF TOBACCO MOSAIC VIRUS-RIBONUCLEIC ACID INACTIVATED BY ULTRAVIOLET RADIATION.
 O Hidalgo-Salvatierra A D McLaren
Int Congress Photobiol Abs 5:49
 1968 QH651.15
 Mosaic, Photochemistry, Radiation, Ribonucleic acid, Spectrochemistry, Tobacco, Ultraviolet rays, Virus diseases (plants).

15520-69
THE INFLUENCE OF THE APIID FORAGE PLANT ON THE VECTOR CAPACITY OF APHIDS. (GE)
 B Hinze
Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):230-236

1969 448.3 C33 (1)
 Insect vectors, Leaf roll, Mosaic, *Myzus persicac*, Plant disease transmission, Virus diseases (plants), Yellows. English abstract.

15521-69
AN INCUBATOR USEFUL FOR CULTURING OLPIDIUM BRASSICAE FOR TRANSMISSION OF PLANT VIRUSES.
 C Hiruki
Virology 39(2):333-335 REF
 Oct 1969 448.8 V81
 Incubators, Laboratory equipment, *Olpidium brasicace*, Plant disease transmission, Virus diseases (plants).

15522-69
PURIFICATION AND SEROLOGICAL REACTIONS OF FOUR POLYHEDRAL VIRUSES FROM CRUCIFERAE.
 M Hollings O M Stone
Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):237-248 REF
 1969 448.3 C33 (1)
 Brassica, Cruciferae, Electron microscopy, Polyhedroses, Purification, Serological tests, Virus diseases (plants).

15523-69
CROSS PROTECTION TEST WITH FOUR STRAINS OF POTATO VIRUS Y IN NICOTIANA TABACUM L. CV. SAMSUN.
 J Horvath
Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):249-252 REF
 1969 448.3 C33 (1)
 Interference phenomenon, Plant disease resistance, Potatoes, Tobacco, Virus Y.

15524-69
CEPHALOSPORIUM GRAMINEUM CAUSING LEAF STRIPE IN GRASSES, AND ITS SPORODOCHIAL STAGE, HYMENULA CEREALIS, ON CEREALS AND GRASSES.
 M J Howell P A Burgess
Plant Pathol 18(2):67-70 REF
 Jun 1969 464.8 P692
 Avena fatua, Bromus, Cephalosporium gramineum, Dactylis glomerata, Fungus diseases (plants), Grain, Grasses, Stripe.

15525-69
NEW OR UNCOMMON PLANT DISEASES OR PESTS.
 D R Humphrys-Jones
Plant Pathol 18(2):96
 Jun 1969 464.8 P692
 Alternaria, Cruciferae, Fungus diseases (plants), Leaf spot, Seedlings.

15526-69
STABILIZATION OF PURIFIED POTATO VIRUS X BY DEXTRAN T-10 DURING LYOPHILIZATION.
 E Jermoljcv L Albrechtova
Biol Plant 11(5):375-380
 1969 450 B52
 Dextrans, Lyophilization, Potatoes, Virus diseases (plants), Virus X.

15527-69
INTERACTION BETWEEN VIRAL RNA AND CELLULAR COMPONENTS IN TOBACCO LEAVES INFECTED WITH TOBACCO MOSAIC VIRUS.
 Y Kihou
Jap J Microbiol 13(3):312-314
 Sep 1969 448.8 J273
 Plant cytology, Plant extracts, Ribonucleic acid, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

15528-69
FINE STRUCTURE OF ZINNIA LEAF TISSUES INFECTED WITH DAHLIA MOSAIC VIRUS.
 E W Kitajima J A Lauritis H Swift
Virology 39(2):240-249 REF
 Oct 1969 448.8 V81

Dahlia, Electron microscopy, Mosaic, Plant cytology, Plant disease transmission, Virus diseases (plants), Zinnias.

15529-69

DARK REACTIVATION OF UV-IRRADIATED TOBACCO NECROSIS VIRUS.

A Kleczkowski

Int Congress Photobiol Abs 5:119

1968 QH651.15

Chenopodium, Irradiation, Necrosis, Photochemistry, Tobacco, Ultraviolet rays, Virus diseases (plants).

15530-69

RESEARCH CONCERNING THE APPEARANCE AND ACTIVITY OF PECTOLYTIC AND CELLULOLYTIC ENZYMES OF PHYTOPATHOGENIC BACTERIA. (GER)

D Knosel

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(3):150-155

Mar 1967 464.8 Z3

Bacterial diseases (plants), Cellulose, Chromatography, Culture media, Erwinia, Pectinase, Plant enzymes, Pseudomonas, Xanthomonas. English summary

15531-69

PURIFICATION AND ELECTRON MICROSCOPY OF POTATO LEAFROLL VIRUS.

M Kojima E Shikata M Sugawara D Murayama

Virology 39(2):162-174 REF

Oct 1969 448.8 V81

Electron microscopy, Leaf roll, Potatoes, Virus diseases (plants), Virus purification.

15532-69

PRELIMINARY RESULTS ON THE INFLUENCE OF WETTING AGENTS ON THE BIOLOGICAL EFFECT OF FUNGICIDES. (GE)

J Kradel N Drescher E-H Pommer G Synnatschke

Berlin Biol Bundesanst Land-forstwirtsch Mitt

132(37):212-215

Jan 1969 410.9 G31M

Fungicides, Plant protection, Wetting agents. English abstract

15533-69

VIRUS DISEASES OF HORTICULTURAL PLANTS IN DENMARK.

H R Kristensen

Zentral Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):253-258

1969 448.3 C33 (1)

Cultural control (plant diseases), Fruit, Surveys, Vegetables, Virus diseases (plants).

15534-69

THE EFFECT OF TEMPERATURE ON THE ATTACK OF CERCOSPORELLA HERPOTRICHOIDES FRON. (GER)

M Lange De Camp

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(5):267-276

1967 464.8 Z3

Cercospora herpotrichoides, Fungus diseases (plants), Grain, Temperature. English summary

15535-69

HEAT TREATMENT OF TOMATO SEEDS. (FR)

H Laterrot P Pecaut

Ann Epiphyt 19(OUTSIDE SERIES):159-164

1968 464.9 F84AN

Heat treatment, Seed treatment, Tobacco mosaic virus, Tomatoes, Virus diseases (plants). English and German abstracts.

15536-69

PERTINENT USE OF HISTOCHEMICAL METHODS OF CURING FLORAL PLANTS INJURED BY BACTERIA. (FR)

M Lemattre L Gerreboe

Phytat-phytopharm 16(3):141-148

Sep 1967 464.8 P564

Bacterial diseases (plants), Bacteriology, Colorimetry, Dianthus caryophyllus, Geranium,

Histochemistry, Microscopy, Plant disease control, Plant injuries, Spectroscopy.

15537-69

APHIDS MAY NOT ACQUIRE AND TRANSMIT STYLET-BORNE VIRUSES WHILE PROBING INTERCELLULARLY.

D Lopez-Abella R H E Bradley

Virology 39(2):338-342

Oct 1969 448.8 V81

Cytology, Electron microscopy, Insect vectors, *Myzus persicae*, Plant disease transmission, Stylets, Tobacco, Virus diseases (plants).

15538-69

CONTROL OF MOSAIC OF TOBACCO, PEPPERS, AND TOMATOES WITH MILK.

G B Lucas J C Wells F A Todd

N C Pesticide Manual 00(00):61

1967 79.8 N81

Milk, Mosaic, Peppers, Plant disease control, Tobacco, Tomatoes.

15539-69

CONTROL OF MOSAIC OF TOBACCO, PEPPERS, AND TOMATOES WITH MILK.

G B Lucas J C Wells F A Todd

N C Pesticide Manual 00(00):64

1968 79.8 N81

Milk, Mosaic, Peppers, Plant disease control, Tobacco, Tomatoes, Virus diseases (plants).

15540-69

BACTERIAL DAMAGE TO WHEAT GRAIN. (FR)

J Luisetti F Rapilly

Ann Epiphyt 18(4):483-493

1967 464.9 F84AN

Bacterial diseases (plants), Grain, Plant disease resistance, Seed germination, Wheat. English summary

15541-69

ON THE STOLBUR VIRUS IN RED PEPPER (CAPSICUM ANNUM) L. (FR)

G Marchoux C M Messiaen

Ann Epiphyt 18:179-182 REF

1967 464.9 F84AN

Bush redpeppers (vegetable), *Datura stramonium*, Injections, Plant disease transmission, Solanaceae, Stolbur, Virus diseases (plants). English and German summaries

15542-69

INHIBITORY EFFECT OF RED-PEPPER LEAVES (CAPSICUM ANNUM L.) ON THE INFECTION OF SOME VIRUSES OF THEIR ULTRA-SUSCEPTIBLE HOSTS. (FR)

G Marchoux

Ann Epiphyt 18:35-45 REF

1967 464.9 F84AN

Bush redpeppers (vegetable), Cowpeas, Culture media, Dialysis, Leaves, Plant disease resistance, Plant extracts, Tobacco, Virus diseases (plants). English and German summaries.

15543-69

THE SHOT-HOLE DISEASE OF THE MELON. PRELIMINARY STUDY OF A NEW VIRAL DISEASE OF THE GLASS-HOUSE-GROWN MELON. (FR)

J Marrou G Risser

Ann Epiphyt 18:193-203

1967 464.9 F84AN

Chenopodium amaranticolor, Chenopodium quinoa, Cucurbita, Fruit, Greenhouse culture, Insect vectors, Leaves, Muskmelons, Plant disease transmission, Plant physiology, Sap, Seedlings, Shot-hole, Soil-borne plant diseases, Temperature, Virus diseases (plants), Watermelons. English and German summaries

15544-69

METHOD FOR TESTING THE HEALTH CONDITION OF LETTUCE SEEDS. (FR)

J Marrou C M Messiaen A Migliori

Ann Epiphyt 18:227-248 REF

1967 464.9 F84AN

Bacterial diseases (plants), Bacteriology, Colorimetry, Dianthus caryophyllus, Geranium,

Chenopodium, Injections, Lettuce, Plant biochemistry, Plant disease transmission, Seeds, Tables (data), Virus diseases (plants). English and German summaries

15545-69

TEST FOR PROTECTING MELON AND MARROW PLANTS AGAINST THE CUCUMBER MOSAIC VIRUS. (FR)

J Marrou C-M. Messiaen

Ann Epiphyt 19(OUTSIDE SERIES):147-157 REF

1968 464.9 F84AN

Cucumber mosaic virus, *Cucumis melo*, Cultural control (plant diseases), Oil sprays, Polyethylene, Pumpkins, Virus diseases (plants). English and German abstracts.

15546-69

PATTERN OF DISTRIBUTION OF STEPHANITIS TYPICUS DISTANT (HETEROPTERA: TINGIDAE), A PEST OF COCONUT PALM, ON ITS HOST PLANT.

K Mathen J Mathew C Kurian

Indian J Agr Sci 39(1):57-61

Jan 1969 22 AG831

Coconuts, Plant pests, Stephanitis, Tingidae.

15547-69

INVESTIGATIONS ON THE STAIN BACTERIAS OF CARNATIONS DUE TO PECTOBACTERIUM PARTHENII VAR. DIANTHICOLA HELLMERS. (FR)

S Mercier J C Pionnat R Tramier

Phytat-phytopharm 16(3):149-156

Sep 1967 464.8 P564

Bacterial diseases (plants), *Dianthus caryophyllus*, *Pectobacterium parthenii* dianthicola, Plant dissemination, Plant morphology.

15548-69

BLUEBERRY SPRAY PROGRAM.

R D Miholland H H Neunig J Falter

N C Pesticide Manual 00(00):69

1967 79.8 N81

Blueberries, Chemical control (insects), Insect control, Leafspot, Spraying.

15549-69

BROMEGRASS MOSAIC VIRUS IN YUGOSLAVIA. (CZ)

D Milicic E Proll J Richter N Juretic

Zastita Bilja 12(91-92):213-220 REF

1966 464.8 Z1

Bromus, Mosaic, Virus diseases (plants).

15550-69

A VIRUS DISEASE DISTINCT FROM THE CHLOROTIC LEAF-ROLL DISEASE: THE ROSETTE OF THE APRICOT-TREE, VAR. (LUZET). (FR)

G Morvan C Castelain

Ann Epiphyt 18:205-216 REF

1967 464.9 F84AN

Apricots, Chlorosis, Crop varieties, Leaves, Plant disease transmission, Plant grafting, Rosette, Trees, Vegetation, Virus diseases (plants). Other species mentioned were: *Prunus davidiana*, *P. dasycarpa*, *P. mume*, and *P. spinosa*. Summary in English and German.

15551-69

RESEARCH ON POTATO VIRUSES IN INDIA.

B B Nagaich H O Agrawal

Indian J Agr Sci 39(3):286-296 REF

Mar 1969 22 AG831

Heat treatment, Insect vectors, Potatoes, Seed potatoes, Virus diseases (plants).

15552-69

PRODUCTION OF DISEASE-FREE SEED POTATOES IN THE INDO-GANGETIC PLAINS.

B B Nagaich V P Pushkarnath B K Bharadwaj S

R Giri S K Anand

Indian J Agr Sci 39(3):238-243

Mar 1969 22 AG831

Potatoes, Seed potatoes, Virus diseases (plants).

15553-69
NEW DISEASE AGENT OF WHEAT, KHUSKIA ORYZAE IIUDSON. (GER)
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(11/12):659-663, MAP
 Nov 1967 464.8 Z3

Corn, Ear rot, Fungus diseases (plants), Nigrospora oryzae, Plant taxonomy, Wheat. English summary

15554-69
INFECTION THROUGH CELL LESIONS AND INVESTIGATION INTO THE INFECTIOUS DILUTION CURVES OF TOBACCO MOSAIC VIRUS. (GE)

D Noordam
Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):272-276 REF
 1969 448.3 C33 (1)

Mosae, Plant disease transmission, Tobacco, Tobacco mosaic virus, Virus diseases (plants). English abstract.

15555-69
ON THE PARTIAL PURIFICATION OF CHRYSANTHEMUM B-VIRUS AND PRODUCTION OF A HIGH TITER ANTISERUM. (GE)
 C Oertel

Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):277-281
 1969 448.3 C33 (1)

Antiserum, Chemical control (plant diseases), Chrysanthemum, Purification, Tobacco, Virus diseases (plants). English abstract.

15556-69
BROKEN LEAF, A NEW COCONUT DISEASE IN THE CARIBBEAN AREA.

J G Ohler
Ag Soc Trinidad Tobago J 69(1):569-580 REF
 Mar 1969 8 T73

Coconuts, Diagnosis, Leaves, Plant diseases, Plant nutrition, Soil moisture.

15557-69
CITRUS BROWN ROT IN QUEENSLAND.
 B L Oxenham Y N Stone

Queensland J Agr Anim Sci 26(2):173-180
 Jun 1969 23 Q37

Brown rot, Citrus, Fungus diseases (plants), Phytophthora citrophthora, Phytophthora parasitica necotiana.

15558-69
THE BREEDING OF LUCERNE MEDICAGO SATIVA L. FOR RESISTANCE TO VERTICILLIUM ALBO-ATRUM RKE. ET BERTH. III. TRANSGRESSIVE SEGREGATION IN F3 AND THE EFFECT ON RESISTANCE OF CERTAIN SYSTEMS OF INBREEDING.
 C A Panton
Hereditas 57(1-2):115-126
 1967 442.8 H42

Alfalfa, Fungus diseases (plants), Plant breeding, Plant disease resistance, Plant genetics, Seedlings, Verticillium albo-atrum.

15559-69
FUNGICIDES IN FORESTRY IN GREAT BRITAIN.

D H Phillips
J Sci Food Agr 20(8):503-504 REF
 Aug 1969 382 SO12

Botrytis cinerea, Chemical control (plant diseases), Fomes, Forestry, Fungicides, Lophodermium pinastri.

15560-69
SWEET POTATO PLANT TREATMENT.
 D V Phillips L W Nielsen

N C Pesticide Manual 00(00)122
 1968 79.8 N81

Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Phenylmercuric compounds, Sweet potatoes.

15561-69
SWEET POTATO PLANT TREATMENT.
 D V Phillips L W Nielsen

N C Pesticide Manual 00(00):119

1967 79.8 N81

Black rot, Chemical control (plant diseases), Fungus diseases (plants), Phenylmercuric compounds, Sweet potatoes.

15562-69

MECHANICAL TRANSMISSION OF BEET YELLOW VIRUS TO CHENOPODIUM QUINOA WILLD. AND CHENOPODIUM FOLIOSUM (MOENCH) ASCHI.

J Polak O Klir

Biol Plant 11(5):366-369 REF

1969 450 B52

Beets, Chenopodium, Chenopodium quinoa, Disease transmission, Virus diseases (plants), Yellows.

15563-69

A BARLEY NECROSIS-PRODUCING VIRUS. (GE)

I V Pop

Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):282-287

1969 448.3 C33 (1)

Barley, Chenopodium amaranticolor, Diagnosis, Necrosis, Virus diseases (plants). English abstract.

15564-69

THE INCIDENCE OF TOBACCO MOSAIC VIRUS IN PLASTIDS OF ETIOLATED TOBACCO LEAVES.

M J Pratt

Virology 39(2):344-346

Oct 1969 448.8 V81

Electron microscopy, Leaves, Plant cytology, Plastids, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

15565-69

ON THE TRANSMISSION OF FIG MOSAIC VIRUS BY THE GALL MITE ACERIA FIGUS COTTE. (GE)

G Proeseler

Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):288-292

1969 448.3 C33 (1)

Aceria, Figs, Insect vectors, Mites, Mosaic, Plant disease transmission, Virus diseases (plants). English abstract.

15566-69

DIFFERENTIATION OF BIOCHEMICAL TYPES OF SOURCES OF PSEUDOMONAS SOLANACEARUM (SMITH) SMITH. (FR)

J P Prunier

Phytat-phytopharm 16(3):199-204 REF

Sep 1967 464.8 P564

Bacterial diseases (plants), Butyric acid, Environment, Plant biochemistry, Pseudomonas solanacearum, Sugar.

15567-69

THE INFLUENCE OF VARIATIONS IN THE MICROFLORA OF A STERILIZED SOIL ON THE GENESIS OF CERTAIN PLANT DISEASES. II. STUDY OF THE BEHAVIOUR OF MICROORGANISMS INTRODUCED INTO STEAM-STERILIZED SOIL. (FR)

F Rapilly A Coleno

Ann Epiphyt 18(4):495-507 REF

1967 464.9 F84AN

Actinomura repens, Ammonification, Botrytis cinerea, Erwinia carotovora, Nitrification, Peptins, Plant diseases, Pseudomonas phaseolicola, Soil sterilization, Soil-borne plant diseases. English summary

15568-69

THE FREQUENCY OF FUSARIA IN SOILS OF FIELDS EITHER WITH OR WITHOUT MAIZE IN CROP ROTATION. (GER)

J Rintelen

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(11/12):664-666 REF

Nov 1967 464.8 Z3

Corn, Crop rotation, Fungus diseases (plants), Fusarium avenaceum, Fusarium culmorum, Land, Soil-borne plant diseases, Stalk rot.

15569-69

SCLEROPHTHORA MACROSPORA (SACC.) THIRUM. ET AL. E8SYN.: SCLEROSPORA MACROSPORA SACC.) ON SUGARCANE.

G Roth

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(2):83-101 REF

Feb 1967 464.8 Z3

Fungus diseases (plants), Plant physiology, Plant senescence, Sclerophthora macrospora, Sclerospora macrospora, Sugarcane.

15570-69

VARIABILITY OF THE GERMINAL SPORES OF SOME USTILAGINALES LIMITED BY X-RAYS. (GE)

A Savulescu D Becerescu

Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):293-298

1969 448.3 C33 (1)

Plant morphology, Spore germination, Spores, Ustilaginales, X-rays. English abstract.

15571-69

MODIFICATION IN THE NUCLEAR STRUCTURE OF TOBACCO INFESTED WITH TOBACCO MOSAIC VIRUS AT 32 DEGREES C. (FR)

R Sealla C Martin B Choste R Meignoz

Acad Sci Compt Rend Ser D 269(4, 2ND SEMESTER):466-468

28 Jul 1969 505 P21

Cell nucleus, Plant cytology, Temperature, Tobacco, Tobacco mosaic virus.

15572-69

PROPERTIES AND SEROLOGY OF PLUM POX VIRUS. (GE)

C Schade

Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):299-304 REF

1969 448.3 C33 (1)

Plum pox (plums), Plums, Serological tests, Tobacco, Virus diseases (plants). English abstract.

15573-69

LYCIUM HALIMIFOLIUM MILL. A POTENTIAL RESEVOIR OF CUCUMBER MOSAIC VIRUS. (GE)

K Schmelzer

Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):305-309 REF

1969 448.3 C33 (1)

Cucumbers, Host indexing (plants), Mosaic, Myzus persicae, Solanaceae, Virus diseases (plants). English abstract.

15574-69

INVESTIGATION INTO A SPOT AND STREAK FORMATION ON HEMP (CANNABIS SATIVA L.). (GE)

H E Schmidt E Karl

Zentralb Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):310-314

1969 448.3 C33 (1)

Arabis, Hemp, Mosaic, Plant disease transmission, Serological tests. English abstract.

15575-69

OBSERVATIONS ON EPIDEMIOLOGY AND EXPERIMENTS TO DECREASE DAMAGE OF THE ALFALFA LEAF-SPOT DISEASE. (GER)

M Schmiedeknecht

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(5):290-302

1967 464.8 Z3

Alfalfa, Epidemiology, Fungus diseases (plants), Leaf spot, Plant disease control, Plant injuries, Proteins, Pseudopeziza medicaginis. English summary

15576-69

COMBINED APPLICATION OF LEAF FERTILIZERS AND FUNGICIDES. (GE)

A Schneider H-h Nolle

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(3):142-146

Mar 1968 464.8 Z3

Chemical control (plant diseases), Fertilizers, Fungicides, Fungus diseases (plants), Leaves, Pesticide application, Phytophthora infestans, Polyethylene thiram sulfides, Tomatoes, Zinc propylenebis(dithiocarbamate).

15577-69

RESEARCH INTO BLOSSOM INFECTION: II. BROWN ROT OF SOUR CHERRIES (PRUNUS CERASUS L.). III. FRUIT ROT OF THE STRAWBERRY (FRAGARIA VESCA). IV. STONE FRUITS. (GER)

F Schonbeck

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(2):67-71

Feb 1967 464.8 Z3

Aureobasidium pullulans, Brown rot, Fruit, Fungus diseases (plants), Injections, Rot, Sour cherries, Strawberries. English summary

15578-69

ON THE OCCURRENCE OF COCKSFOOT STREAK VIRUS. (GE)

K Schumann

Zentral Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):315-319 REF

1969 448.3 C33 (1)

Dactylis, Diagnosis, Streak, Surveys, Virus diseases (plants). English abstract

15579-69

INVESTIGATION INTO THE INFLUENCE OF DAY LENGTH ON THE REPRODUCTION OF POTATO-X AND TOBACCO MOSAIC VIRUS IN SOLANACEAE OF DIFFERING PHOTOPERIODIC SENSITIVITY. (GE)

G Schuster

Zentral Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):319-325 REF

1969 448.3 C33 (1)

Hyoscyamus, Photoperiodism, Potatoes, Solanaceae, Tobacco mosaic virus, Virus diseases (plants), Virus X. English abstract

15580-69

ANALYTICAL RESTRAINT OF RESEARCH ON THE RESPIRATORY METABOLISM OF INFECTIOUS VIRUS ON HEALTHY POTATO NODULES AND SPROUTS. (GE)

G Schuster

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(5):276-290 REF

1967 464.8 Z3

Glycolysis, Metabolism, Nodules (plants), Oxygen, Pentoses, Phosphates, Plant growth inhibitors, Potatoes, Respiration, Tricarboxylic acid cycle, Virology, Virus diseases (plants). English summary

15581-69

TESTING THE SUSCEPTIBILITY OF VINE VARIETIES TO (FLAVESCENCE DOREE) BY MEANS OF INOCULATION BY (SCAPHOIDEUS LITTORALIS) BALL. (FR)

D Schvester P Carle G Moutous

Ann Epiphyt 18:143-150

1967 464.9 F84AN

Cicadellidae, Climbing plants, Golden flavescence, Injections, Insect vectors, Plant disease resistance, Plant hardiness, Scaphoideus littoralis, Virus diseases (plants). English and German summaries

15582-69

VEGETABLE INSECTS.

H E Scott C H Brett

N C Pesticide Manual 00(00):128-134

1967 79.8 N81

Chemical control (insects), Dusting, Insect pests, Insecticides, Spraying, Vegetables.

15583-69

INCREASE OF TOBACCO MOSAIC VIRUS MULTIPLICATION AND LESION SIZE IN HYPERSENSITIVE HOSTS IN THE PRESENCE OF CHLORAMPHENICOL.

B Sela G Loebenstein T Van Praagh

Virology 39(2):260-264

Oct 1969 448.8 V81

BIBLIOGRAPHY

Chloramphenicol, Hypersensitivity, Tobacco, Tobacco mosaic virus, Virus diseases (plants).

15584-69

THE INCOPORATINS ON 14C URIDINE IN FRAGMENTS OF BARLEY LAVES INFECTED WITH BROMEGRASS MOSAIC VIRUS. (FR)

J Semal J Kummert

Ann Epiphyt 18:11-19 REF

1967 464.9 F84AN

Barley, Bromus, Carbon isotopes, Chemical control (plant diseases), Injections, Leaves, Mosaic, Plant biochemistry, Uridine, Virus diseases (plants). French and German summary

15585-69

CONSIDERATIONS ON CHEMOTHERAPEUTICS RESEARCH IN PLANT VIROLOGY. (FR)

J Semal

Zentral Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):326-329 REF

1969 448.3 C33 (1)

Barley, Cabbage, Drug therapy, Inhibitors, Mosaic, Plant diseases, Radioactive tracers, Ribonucleic acid, Synthesis, Tobacco, Virus diseases (plants). English and German abstracts

15586-69

PRODUCTION OF VEGETABLE VARIETIES RESISTANT TO DISEASES. (RUS)

P B Semerdjev

Priroda (Sofia) (3, MAY-JUN):34-38

Jun 1967 410 P934

Cucumbers, Plant breeding, Plant disease resistance, Plant diseases.

15587-69

A RING-SPOT DISEASE OF ALLAMANDA CATHARTICA LINN. AND SOME PHYSICAL PROPERTIES OF ITS CAUSAL AGENT.

K M Silberschmidt R Herbas

Zentral Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):336-335

1969 448.3 C33 (1)

Diagnosis, Plant diseases, Ring spot, Shrubs, Virology, Virus diseases (plants).

15588-69

THE RASPBERRY STEM GALL MIDGE (LASIOPTERA RUBI) A LITTLE KNOWN PEST OF RASPBERRY. (CZ)

D Simova-Tosic K Dobrivojevic

Zasita Bilja 12(91-92):323-330

1966 464.8 Z1

Blackberries, Cecidomyiidae, Flora, Gall-making insects, Insect pests, Larvae, Lasioptera rubi, Parasitic insects, Raspberries, Stem. English summary

15589-69

CONTRIBUTION TO THE SEROLOGICAL SURVEY OF PLANT VIRUSES BY THE MICRO-ELECTROPHORETIC TECHNIQUE APPLIED TO AGAR-AGAR MEDIA. (FR)

D Spire

Ann Epiphyt 18:47-63 REF

1967 464.9 F84AN

Agar, Culture media, Electrophoresis, Host indexing (plants), Hydrogen-ion concentration, Immunology, Mosaic, Plant extracts, Proteins, Serological tests, Virology, Virus diseases (plants). English and German summaries

15590-69

NOTE ON THE MIGRATION RATE OF THE VIRUS (S.) FROM THE POTATO LEAVES TO THE TUBERS. (FR)

D Spire Y Maury J Bertrand

Ann Epiphyt 18:189-191

1967 464.9 F84AN

Injections, Leaves, Plant disease transmission, Potatoes, Virus diseases (plants), Virus s. English and German summaries

15591-69

RESEARCH CONCERNING LEAF SCORCH (SPECIES APIHELCOIDES FRAGARIAE) INFECTING STRAWBERRIES. (GE)

H Strumpel

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(3):129-142 REF

Mar 1968 464.8 Z3

Aphelenchoidea fragariae, Bacterial diseases (plants), Corynebacterium fascians, Leaf scorch, Microclimate, Nematode vectors, Strawberries, Tissues.

15592-69

INTENSITY OF PRESENCE AND ECONOMIC IMPORTANCE OF MORE IMPORTANT DISEASES AND PESTS OF SMALL GRAINS IN THE YEAR OF 1967 IN POLAND. (PO)

A Studzinski

Poznan Inst Ochrony Roslin Biul (39):23-55 MAP

1968 464.9 P87

Crop losses, Fungus diseases (plants), Grain, Plant diseases, Surveys. English and Russian abstracts.

15593-69

FURTHER EXPERIMENTS ON THE GLASS TUBE METHOD TO CONTROL DEGENERATION OF POTATOES.

J Szirmai

Zentral Bakteriol Parasitenk Infektionskr Hyg Abt I Orig 123(3):336-339

1969 448.3 C33 (1)

Diagnosis, Methodology, Phenolases, Potatoes, Virus diseases (plants), Virus X, Virus Y.

15594-69

IDENTIFICATION AND DETERMINATION OF ORGANOMERCURIAL FUNGICIDE RESIDUES BY THIN-LAYER AND GAS CHROMATOGRAPHY.

J O'G Tatton P J Wagstaffe

J Chromatography 44(2):284-289

28 Oct 1969 475 J824

Apples, Chemical analysis, Chromatography, Fungicides, Mercury compounds, Organic compounds, Pesticide residues, Potatoes, Tomatoes.

15595-69

RESISTANCE TO BACTERIAL CANKER IN TOMATO, AND ITS EVALUATION.

B D Thyr

Phytopathology 58(3):279-281 REF

Mar 1968 464.8 P56

Bacterial canker, Bacterial diseases (plants), Corynebacterium michiganense, Plant disease resistance, Tomatoes.

15596-69

TOBACCO--WILDFIRE CONTROL IN BURLEY PLANT BEDS.

F Todd C J Nusbaum

N C Pesticide Manual 00(00):61

1968 79.8 N81

Antibiotics, Bacterial diseases (plants), Plant disease control, Tohaco, Wildfire (tobacco).

15597-69

TOBACCO-BLUE MOLD AND ANTHRACNOSE CONTROL, ASHEVILLE.

F A Todd C J Nusbaum G B Lucas

N C Pesticide Manual 00(00):61

1968 79.8 N81

Anthracnose, Chemical control (plant diseases), Ferham, Fungicides, Manch, Plant diseases, Polymar, Tobacco.

15598-69

TOBACCO-BLUE MOLD AND ANTHRACNOSE CONTROL.

F A Todd C J Nusbaum G B Lucas

N C Pesticide Manual 00(00):59

1967 79.8 N81

Anthracnose, Chemical control (plant diseases), Downy mildew, Tobacco.

15599-69

DEFOLIATION OF COTTON.

W G Toomey

N C Pesticide Manual 00(00):51-52

1968 79.8 N81

Chemicals, Cotton, Defoliants, Defoliation.

15600-69
LOCALIZATION AND MIGRATION OF PLUM POX VIRUS IN PLUM TREES. (GE)
 D Trifonov
Zentral Bakteriol Parasitenk Infektionskr Hyg Abt 1 Orig 123(3):340-347
 1969 448.3 C33 (1)
 Plant physiology, Plums, Pox, Translocation, Virus diseases (plants). English abstract.

15601-69
A VIRUS DISEASE OF AFRICAN HEMP SPAR-MANNA AFRICANA L. F. (GE)
 H A Uschdrawic
Zentral Bakteriol Parasitenk Infektionskr Hyg Abt 1 Orig 123(3):348-351
 1969 448.3 C33 (1)
 Diagnosis, Hemp, Plant disease transmission, Plant grafting, Virus diseases (plants). English abstract.

15602-69
COMPARISON OF SOME POTATO WITCHES', BROOM VIRUS FROM LOWER SAXONY WITH EUROPEAN VIRUSES OF THES GROUP. (GE)
 V Valenta
Zentral Bakteriol Parasitenk Infektionskr Hyg Abt 1 Orig 123(3):352-357
 1969 448.3 C33 (1)
 Diagnosis, Potatoes, Virology, Virus diseases (plants). English abstract.

15603-69
PROPERTIES AND NATURE OF INHIBITORS OF POTATO VIRUS X IN FOUR MEDICINAL PLANT EXTRACTS.
 V S Verma S P Raychaudhuri A M Khan
Biol Plant 11(5):384-387
 1969 450 B52
 Chemical analysis, Hydrogen-ion concentration, Inhibitors, Plant extracts, Potatoes, Virus diseases (plants), Virus X.

15604-69
EXPERIMENTS TO OBTAIN COURT-NOUE VIRUS FIRST PART EXTRACTS FROM TISSUES OF GRAPE LEAVES. (FR)
 A. Vuittenez J. Kuszala
Ann Epiphyt 19(OUTSIDE SERIES):197-217
 REF
 1968 464.9 F84AN
 Fanleaf (grapes), Grapes, Methodology, Plant extracts, Serological tests, Virus diseases (plants). English and German abstracts.

15605-69
PEANUT DISEASES.
 J C Wells W E Cooper
N C Pesticide Manual 00(00):56
 1967 79.8 N81
 Chemical control (plant diseases), Leaf spot, Nematodes, Peanuts, Plant diseases, Stem rot.

15606-69
PEANUT DISEASES. SOUTHERN STEM ROT.
 J C Wells W E Cooper
N C Pesticide Manual 00(00):58
 1968 79.8 N81
 Chemical control (plant diseases), Nematocides, Peanuts, Pentachloronitrobenzene, Plant nematodes, Stem rot.

15607-69
VORLEX FOR PLASTIC GREENHOUSE SOIL FUMIGATION.
 J C Wells
N C Pesticide Manual 00(00):140
 1968 79.8 N81
 Fungus diseases (plants), Greenhouses, Pesticide application, Plastics, Soil fumigation, Vorlex.

15608-69
PEANUT DISEASES. LEAFSPOT CONTROL.
 J C Wells W E Cooper
N C Pesticide Manual 00(00):58
 1968 79.8 N81

Chemical control (plant diseases), Copper compounds, Leaf spot, Peanuts, Pesticide application.

15609-69
DISEASES--LAWNS AND TURF.
 J C Wells
N C Pesticide Manual 00(00):106
 1968 79.8 N81
 Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Lawns, Plant diseases, Surveys, Turf.

15610-69
IN VITRO INFECTION AND PATHOGENESIS OF PLANTS FROM SEVERAL GENERA BY THE SPECIFIC SOILBORNE PATHOGEN SCLEROTIUM CEPIVORUM.
 J M Young J D Allen
Plant Dis Rep 53(10):821-823
 Oct 1969 1.9 P69P
 Fungus diseases (plants), Onions, Plant disease transmission, Sclerotium cepivorum, Soil-borne plant diseases.

15611-69
A DANGEROUS DISEASE ON FRUIT-TREES HAS APPEARED IN THE EUROPEAN CONTINENT. (RUS)
 T Zahov
Priroda (Sofia) (1 JAN-FEB):67-69
 Feb 1967 410 P934
 Bacterial diseases (plants), Orchards.

ARTHOPODS

15612-69
COMPARATED STUDY ON (VINCA ROSEA) L. OF 3 VIRUS DISEASES: (WESTERN ASTER YELLOW) ISOLATED FROM (GLADIOLUS, (CLOVER PHYLLODY) AND (TOMATO STOL-BUR). (FR)
 J Albou M T Cousin C Grison
Ann Epiphyt 18:157-171 REF
 1967 464.9 F84AN
 Aster yellows, Cicadellidae, Clover, Diagnosis, Gladiolus, Insect vectors, Phylloidy, Plant disease transmission, Research, Stolbur, Tomatoes, Vinca rosea, Virus diseases (plants). English and German summaries

15613-69
TESTS ON THE DISSEMINATION OF THE TULIP STREAK VIRUS.
 J. Albou J. Glorian
Ann Epiphyt 19(OUTSIDE SERIES):177-187
 1968 464.9 F84AN
 Insect vectors, Insecticides, Organophosphorus compounds, Plant disease transmission, Plant physiology, Streak, Tulipa, Virus diseases (plants). English and German abstracts.

15614-69
DOMESTIC QUARANTINE NOTICES. EUROPEAN CHAFER.
 R J Anderson
Fed Regist 33(139):10273-10275
 18 Jul 1968 L1.451
 Agricultural regulation, Amphimallon majalis, Insect control, Plant quarantine.

15615-69
PESTS OF THE FAMILY CERAMBYCIDAE, HARMFUL TO WOOD IN BULGARIA. (RUS)
 P Angelov
Priroda (Sofia) (3, MAY-JUN):59-62
 Jun 1967 410 P934
 Cerambycidae, Tree injuries.

15616-69
ESTIMATION OF DAMAGE ON WHEAT BY THE APHID MACROSIPHUM AVENAE FAB. (FR)
 M P Anglade
Rev Zool Agr Appl 68(1-3, 1ST TRIMESTER):17-25
 1969 410.9 SO12
 Chemical control (insects), Cicadellidae, Elateridae, Insect control, Insecticides, Peanuts, Thrips.

15617-69
STUDIES ON THE BEHAVIOUR OF PLUSIA ORICHALCEA FABR. (LEPIDOPTERA: NOCTUIDAE) AND AN ASSESSMENT OF THE FOLIAR LOSS CAUSED BY IT AND THE CONTROL MEASURES.
 H C Basu P B Chatterjee
Indian J Agr Sci 39(1):36-40 REF
 Jan 1969 22 AG831
 Bacillus thuringiensis, Carbaryl, Crop losses, Insect behavior, Insect control, Malathion, Noctuidae, Vegetables.

15618-69
PHILOSOPHY OF FOREST INSECT CONTROL IN BRITAIN.
 D Bevan
J Sci Food Agr 20(8):505-506
 Aug 1969 382 SO12
 Forest insects, Great Britain, Insect control.

15619-69
THE CHEMICAL CONTROL OF RED SPIDER MITE ON GLASSHOUSE ROSES.
 E S Binnis
Plant Pathol 18(2):49-56 REF
 Jun 1969 464.8 P692
 Acaricides, Chemical control (insects), Chlorinated hydrocarbons, Greenhouses, Rosa, Tetradifon, Tetranychus urticae.

15620-69
MITES, PESTS IN GARDENS AND LIVING ROOMS.
 H Bohm
Pflanzenarzt 21(4):48-49
 01 Apr 1968 464.9 P482
 Acetic acid, Bryobia, Diazinon, Endosulfan, Gardens, Insect pests, Iodine, Larvae, Malathion, Mites, Spraying, Sulfur compounds.

15621-69
INFECTION AND CORROSION TESTS WITH USTILAGO HORDEI (PERS.) LAGERM. (GE)
 K Boning
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(7):385-387
 Jul 1968 464.8 Z3
 Fungicides, Insecticides, Mercury, Rice, Smut, Soil erosion, Starches, Sugar, Ustilago hordei, Ustilago nuda.

15622-69
ATTEMPTS AT TREATMENT OF THE ATOMARIA OF SUGAR-BEETS WITH INSECTICIDES. (FR)
 L Bonnemaison J P Lyon J Maillard X Porte S Wattiez
Phytiatr-phytopath 15(3):213-227 REF
 1966 464.8 P564
 Atomaria, Chemical control (insects), Cryptophagidae, Insect pests, Insecticides, Sugar beets.

15623-69
PIGMY MANGOLD BEETLE (ATOMARIA LINEARIS STEPH.), BIOLOGY AND CONTROL. (FR)
 L Bonnemaison J P Lyon
Ann Epiphyt 18(4):401-450 REF
 1967 464.9 F84AN
 Atomaria linearis, Chemical control (insects), Chenopodium album, Chlorinated hydrocarbons, Cryptophagidae, Heptachlor, Insect biology, Insect pests, Insecticides, Plant injuries, Soils, Spinach, Sugar beets. English summary

15624-69
PEANUT INSECTS. SEASONAL CONTROL OF THIRPS, LEAFHOPPERS, SOUTHERN CORN ROOTWORM AND WIREWORMS.
 W V Campbell R L Robertson
N C Pesticide Manual 00(00):55
 1967 79.8 N81
 Chemical control (insects), Cicadellidae, Elateridae, Insect control, Insecticides, Peanuts, Thrips.

15625-69
CORN INSECTS.W V Campbell J Falter
N C Pesticide Manual 00(00):43
1968 79.8 N81

Chemical control (insects), Corn, Insect pests, Insecticide application, Insecticides, Surveys.

15626-69

PEANUT INSECTS. SEASONAL CONTROL OF THIRPS, LEAFHOPPERS, SOUTHERN CORN ROOTWORM AND WIREWORM.

W V Campbell R I. Robertson
N C Pesticide Manual 00(00):57
1968 79.8 N81Chemical control (insects), *Diabrotica undecimpunctata howardi*, Elateridae, Insecticide application, Insecticides, Peanuts, Surveys, Thrips.

15627-69

INSECTS ON ALFAFA, CLOVERS AND GRASSES.

W V Campbell J Falter
N C Pesticide Manual 00(00):42
1968 79.8 N81

Alfalfa, Chemical control (insects), Clover, Grasses, Insect pests, Insecticide application, Insecticides, Surveys.

15628-69

SOYBEANS.

W V Campbell J Falter
N C Pesticide Manual 00(00):44
1968 79.8 N81

Chemical control (insects), Insect pests, Insecticide application, Insecticides, Soybeans, Surveys.

15629-69

SMALL GRAINS INSECTS.

W V Campbell J Falter
N C Pesticide Manual 00(00):44
1968 79.8 N81

Carbaryl, Chemical control (insects), Disyston, Grain, Insect pests, Insecticide application, Malathion, Parathion, Phorate, Toxaphene.

15630-69

SORGHUM.

W V Campbell J Falter
N C Pesticide Manual 00(00):43
1968 79.8 N81

Carbaryl, Chemical control (insects), Insect pests, Insecticide application, Malathion, Sorghum, Toxaphene.

15631-69

INSECTS ON ALFALFA, CLOVERS AND GRASSES.

W V Campbell J Falter
N C Pesticide Manual 00(00):40-42
1967 79.8 N81

Alfalfa, Clover, Grasses, Insecticides, Insects.

15632-69

A NEW REPORT ON SUGAR-BEET PESTS IN THE AREA OF BARANJA, SOIL COLEOPTERA TAKEN INTO SPECIAL CONSIDERATION. (CZ)

D Camprag J Durkic
Agron Glas 30(5):463-470
May 1968 21.5 AG84

Coleoptera, Insect pests, Soil fauna, Sugar beets, Survey, French abstract.

15633-69

INVESTIGATIONS ABOUT POSSIBLE VECTORS OF GOLDEN FLAVESCENCE OF THE VINE. (FR)

P Carle G Moutous
Ann Epiphyt 18:151-156
1967 464.9 F84ANCicadellidae, Climbing plants, Feeding, Golden flavescence, Insect vectors, Plant disease transmission, *Scaphoideus littoralis*, Virus diseases (plants), English and German summaries

15634-69

APPLE SPRAY PROGRAM.

C N Clayton H R Garriss G C Rock G T
Weekman
N C Pesticide Manual 00(00):71-72
1968 79.8 N81

Apples, Chemical control (insects), Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Insecticides, Pesticide application, Spraying, Surveys.

15635-69

PEACH SPRAY PROGRAM.

C N Clayton G T Weekman
N C Pesticide Manual 00(00):76-77
1968 79.8 N81

Chemical control (insects), Fungicides, Fungus diseases (plants), Insect pests, Insecticides, Peaches, Spraying, Surveys.

15636-69

BLUE GRAPE SPRAY PROGRAM.

C N Clayton H R Garriss G T Weekman
N C Pesticide Manual 00(00):72
1968 79.8 N81

Blueberries, Carbaryl, Chemical control (insects), Endosulfan, Insect pests, Insecticide application, Insecticides, Spraying.

15637-69

PROBLEMS POSED BY ACARINA TO FLORICULTURE. (FR)

M L Desportes

Rev Zool Agr Appl 68(1-3, 1ST TRIMESTER):37-50 REF
1969 410.9 SO12Acarina, *Brevipalpus*, Chemical control (insects), DDT, Eriophyidae, Insecticide resistant insects, Ornamental plant culture, *Rhizoglyphus echinopus*, *Tarsonemidae*, *Tetranychidae*.

15638-69

BLACKBERRY, DEWBERRY AND RASPBERRY INSECTS.

J Falter

N C Pesticide Manual 00(00):71
1967 79.8 N81

Berries, Carbaryl, DDT, Insect pests, Malathion, Methoxychlor, Rotenone.

15639-69

TREE INSECTS AND MITES.

M H Farrier

N C Pesticide Manual 00(00):107-111
1967 79.8 N81

Chemical control (insects), Forest insects, Insect control, Insecticides, Mites.

15640-69

TREE INSECTS AND MITES.

M H Farrier F Whitfield

N C Pesticide Manual 00(00):110-114
1968 79.8 N81

Chemical control (insects), Insect pests, Insecticide application, Insecticides, Mites, Surveys, Trees.

15641-69

WINTER NECROSIS OF PEACH TWIGS. EXPERIMENTAL REPRODUCTION FOLLOWING PESTICIDE TREATMENTS. (FR)

M C Grosclaude

Rev Zool Agr Appl 68(1-3, 1ST TRIMESTER):26-36 REF
1969 410.9 SO12

Azinphosmethyl, Necrosis, Nitrogen, Peaches, Pesticides, Plant physiology, Sugars, Thiocarbamates, Ziram. English abstract.

15642-69

ON THE MIGRATION OF SOME LEAFHOPERS-FOES TO FRUIT TREES. (RUS)

A F Harizanov

Priroda (Sofia) (3, MAY-JUN):62-63
Jun 1967 410 P934

Insect migration, Orchards, Psyllidae.

15643-69

REFLECTIVE ALUMINUM FOIL FOR SCARING OFF VIRUS TRANSMITTERS. (GE)

Heinze

Umschau 67(24):802

15 Dec 1967 474 UM7

Aluminum foil, Aphididae, Insect vectors, Vegetables, Virus diseases (plants).

15644-69

SHALLOT APIID IN SOUTH-EAST ENGLAND.

G W Hurst

Plant Pathol 18(2):62-66
Jun 1969 464,8 P692

Myzus ascalonicus, Population, Strawberries, Temperature.

15645-69

DASANIT INSECTICIDE FOR SUPERIOR CONTROL OF CORN ROOTWORM.

O K Jantz

Down Earth 23(4):22-26 REF SPRING
1968 381 D75Biochemistry, Chemical control (insects), Chlorinated hydrocarbons, Chlorine, Corn, *Diabrotica longicornis*, *Diabrotica undecimpunctata howardi*, *Diabrotica virgifera*, Diethyl O-((methylsulfonyl)phenyl) phosphorothioate, O, Immunity, Insect pests, Insecticide residues, Insecticides, Organophosphorus compounds, Plant hardiness.

15646-69

ON THE PRESENCE OF A PATHOGENIC GRADIENT OF ACTION IN THE CYTOLOGICAL DEVELOPMENT OF TUMORS CAUSED BY *ERIOSOMA LANIGERUM* HAUSM. ON *PYRUS MALUS* L. CULT. CALVILLE BLANC. (FR)

Y Jeanneau

Acad Sci Compt Rend Ser D 269(4, 2ND SEMESTER):462-465 REF

28 Jul 1969 505 P21

Eriosoma lanigerum, Plant cytology, Plant galls, *Pyrus*.

15647-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 2-CHLORALLY DIETHYLDITHIOPHOSPHAMATE.

J K Kirk

Fed Regist 33(144):10568

25 Jul 1968 L1,451

Agricultural products, Agricultural regulation, Chlorallyl diethyldithiocarbamate, 2-, Pesticide residues, Toxicology.

15648-69

THE TRAPEZEULE (*CALYMNIA TRAPEZINA* L.), AN UNUSUAL PARASITE ON APPLE TREES. (FR)

M Langenscheidt

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz

74(1):14-16 REF

Jan 1967 464,8 Z3

Agricultural research, Apples, *Calymnia trapezina*, Insect pests, Larvae, Trees. English summary

15649-69

AN EXCEPTIONAL OUTBREAK OF THE APHID *MACROSIPHUM (SITOBION) AVENAE FABRICIUS* ON WHEAT IN SOUTHWESTERN FRANCE. (FR)

M F Leclant

Rev Zool Agr Appl 68(1-3, 1ST TRIMESTER):13-16 REF
1969 410.9 SO12Insect biology, Insect outbreaks, *Macrosiphum avenae*, Wheat. English abstract.

15650-69

MICROBIOLOGICAL CONTROL OF PESTIFEROUS INSECTS IN THE USSR. (FR)

M D J Martouret

Rev Zool Agr Appl 68(1-3, 1ST TRIMESTER):5-12 REF

1969 410.9 SO12

Bacillus thuringiensis, *Beauveria bassiana*, Biological control (insects), Insect ecology, Insect pests.

15651-69
INSECTICIDAL ACTIVITY OF SUBSTITUTED PHENYL N-METHYLCARBAMATES.
 J Meltzer H B A Wells
Entomol Exp Appl 12(2):169-182
 1969 421 EN895
 Aphis fahae, Chemical analysis, Chemical control (insects), Insecticides, Leptinotarsa decemlineata, Musca domestica, Phenylcarbamates, Pieris brassicae.

15652-69
VIRULENCE ON VARIOUS SOLANACEAE OF THREE STRAINS OF THE STOLBUR VIRUS AND A VIRUS INFECTING TOMATO PLANTS IN TUNISIA. (FR)
 C M Messiaen J Marrou
Ann Epiphyt 18:173-178
 1967 464.9 F84AN
 Bemisia tabaci, Datura stramonium, Eggplant, Insect vectors, Plant disease transmission, Plant physiology, Solanaceae, Stolbur, Tobacco, Tomatoes, Virus diseases (plants). English and German summaries

15653-69
TERMITES AND POWDER-POST BEETLES.
 H B Moore
N C Pesticide Manual 00(00):121
 1968 79.8 N81
 Chemical control (insects), Insecticide application, Insecticides, Lyctidae, Termites.

15654-69
MECHANISM OF FEEDING OF SOME VIRUS-VECTOR LEAFHOPPERS. HISTOLOGICAL STUDIES OF THE TRACKS. (FR)
 J P Moreau C Boulay
Ann Epiphyt 18:133-141
 1967 464.9 F84AN
 Adaptation (physiological), Cicadellidae, Feeding, Insect behavior, Insect histology, Insect vectors, Phloem, Plants, Sap, Virus diseases (plants). English and German summaries

15655-69
SOME ASPECTS OF MARKETING PESTICIDES IN GUJARAT STATE.
 G A Patel M P Saha
Plant Protect Ball 19(4):11-16
 1967 421 P69
 Benzene hexachloride, DDT, Pesticide monitoring program.

15656-69
CERTAIN MINOR CROP PESTS HITHERTO UNRECORDED FROM THE GUJARAT STATE.
 H K Patel V C Patel J R Patel
Plant Protect Ball 19(3):26-31
 1967 421 P69
 Coleoptera, Crops, Diptera, Insect pests, Lepidoptera, Surveys.

15657-69
THE TWO SPOTTED (CARMINE) SPIDER MITE (TETRANYCHUS CINNABARINUS BOISD.) ON APPLE IN ISRAEL.
 H N Plaut M Cohen
Z Angew Entomol 60(4):460-466 REF
 Nov 1967 421 Z36
 Acaricides, Apples, Chemical control (insects), Chlorinated hydrocarbons, Dicofol, Insect pests, Mites, Panonychus ulmi, Tetranychidae, Tetranychus cinnabarinus, Tetranychus urticae.

15658-69
RESEARCH INTO THE ACTUAL YIELD REDUCTION BY ATTACK ON WINTER WHEAT AND SUMMER BARLEY OF THE CEREAL LEAF BEETLES (LEMA CYANELLA L. AND L. MELANOPUS L.) AND THE WHEAT STEM SAWFLY (CEPHUS PYGMAEUS L.). (GE)
 B Rademacher
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(5):311-316 REF
 1967 464.8 Z3

Barley, Cephidae, Cephus pygmaeus, Chrysomelidae, Crop losses, Germany, Insect pests, Lema lichenensis, Olema melanopus, Wheat.

15659-69
TOBACCO INSECTS. PLANT BEDS.
 R L Robertson W J Mistric R L Rabb
N C Pesticide Manual 00(00):65-70
 1968 79.8 N81
 Chemical control (insects), Insect pests, Insecticide application, Insecticides, Surveys, Tobacco.

15660-69
COTTON INSECTS.
 R L Robertson J R Bradley
N C Pesticide Manual 00(00):54-56
 1968 79.8 N81
 Chemical control (insects), Cotton, Insect pests, Insecticide application, Insecticides, Surveys.

15661-69
PECAN INSECT AND DISEASE SPRAY SCHEDULE.
 R L Robertson H R Garriss
N C Pesticide Manual 00(00):77
 1968 79.8 N81
 Chemical control (insects), Chemical control (plant diseases), Dodine, Insect pests, Insecticides, Parathion, Pecans.

15662-69
LAWN AND TURF PESTS.
 R L Robertson
N C Pesticide Manual 00(00):106
 1967 79.8 N81
 Insect pests, Insecticide application, Insecticides, Lawns, Turf.

15663-69
TOBACCO INSECTS.
 R L Robertson W J Mistric R L Rabb
N C Pesticide Manual 00(00):62-67
 1967 79.8 N81
 Chemical control (insects), Insect control, Insect pests, Tobacco.

15664-69
COTTON INSECTS. GENERAL STATEWIDE CONTROL PROGRAM.
 R L Robertson
N C Pesticide Manual 00(00):52-54
 1967 79.8 N81
 Chemical control (insects), Cotton, Insect control, Insect pests, Insecticides.

15665-69
FLOWER AND SHRUB INSECTS.
 R L Robertson
N C Pesticide Manual 00(00):97-100
 1968 79.8 N81
 Chemical control (insects), Flowers, Insect pests, Insecticide application, Insecticides, Shrubs, Surveys.

15666-69
GREENHOUSE INSECTS.
 R L Robertson
N C Pesticide Manual 00(00):104-105
 1968 79.8 N81
 Chemical control (insects), Greenhouses, Insect pests, Insecticide application, Insecticides, Surveys.

15667-69
PLANT PROTECTION PROBLEMS IN TUNISIA. (GE)
 K Scheibe
Gesunde Pflanzen 20(7):150-152
 Jul 1968 464.8 G33
 Biochemistry, Chemical control (pests), Crops, Dusting, Economics, Insect pests, Lindane, Olives, Parathion, Plant injuries, Prays oleculus, Spraying equipment.

15668-69
VEGETABLE INSECTS.
 H E Scott C H Brett
N C Pesticide Manual 00(00):131-137

1968 79.8 N81
 Chemical control (insects), Insect pests, Insecticide application, Insecticides, Surveys, Vegetables.

15669-69
WHAT IS PLANT PROTECTION.
 S Singh
Plant Protect Bull 19(4):1-4
 1967 421 P69
 Insect pests, Methodology, Pest control, Plant protection.

15670-69
DOMESTIC QUARANTINE NOTICES. EUROPEAN CHAFER.
 J F Spears
Fed Regist 33(139):10276-10277
 18 Jul 1968 L1.451
 Agricultural regulation, Amphimallon majalis, Plant quarantine.

15671-69
THE REACTION OF DIFFERENT DROSOPHILA POPULATIONS TO TREATMENT WITH PESTICIDES.
Hereditas 62(3):303-313
 1969 442.8 H42
 Drosophila melanogaster, Insect physiology, Organophosphorus compounds, Parathion, Pesticides, Phenylurea compounds, Population.

15672-69
TOBACCO--WILDFIRE CONTROL IN BURLEY PLANT BEDS.
 F A Todd
N C Pesticide Manual 00(00):59
 1967 79.8 N81
 Air-cured tobacco, Antibiotics, Streptomycin, Tobacco.

15673-69
COMPARATIVE EFFECTIVENESS OF SOME MODERN INSECTICIDES AGAINST THE BLOSSOM THIRIPS OF RED-GRAM (CAJANUS CAJAN (L.) MILLSP.).
 S M Vaishampayan Z Singh
Indian J Agr Sci 39(1):52-56
 Jan 1969 22 AG831
 Dimethoate, Endosulfan, Endrin, Insect control, Pigeonpeas, Thrips.

15674-69
IMPORTANCE OF THE PLANT VIRUS-VECTOR RELATIONSHIPS FOR THE INHIBITION OF APHID TRANSMISSION WITH OIL SPRAYS. (FR)
 J. Vanderweken
Ann Epiphyt 19(OUTSIDE SERIES):141-146
 1968 464.9 F84AN
 Chemical control (insects), Mosaic, Oil sprays, Plant disease transmission, Virus diseases (plants). English and German abstracts.

15675-69
EXPERIMENTS ON THE CONTROL OF CARROT-WILLOW APHID IN SOUTH-WEST ENGLAND 1961-1964.
 J D R Vernon S G Evans
Plant Pathol 18(2):83-88
 Jun 1969 464.8 P692
 Aphididae, Carrots, Chemical control (insects), Disulfoton, Menazon, Methyl demeton.

15676-69
ADSORPTION AND DESORPTION OF LINDANE AND Dieldrin BY YEAST.
 S Vocman P M L Tammes
Bull Environ Contamination Toxicol 4(5):271-277
 Oct 1969 RA1270.P35A1
 Adsorption, Chlorinated hydrocarbons, Dieldrin, Insecticides, Lindane, Plant biochemistry, Yeasts.

15677-69
RESISTANCE OF VARIETIES OF PORTUGUESE WHEAT, TRITICUM AESTIVUM L. EM. THELL., TO THE WHEAT STEM SAWFLY.
 L E Wallace F H McNeal M A Berg P Luginbill
U S Agr Res Serv (1) ARS ARS 33-132:8P

CROP PROTECTION

15678-69

Jan 1969 A420 R31
Cephus cinctus, Insect pests, Plant breeding, Plant pest resistance, Tables (data), Wheat.

15678-69

BLACKBERRY, DEWBERRY AND RASPBERRY INSECTS.

G T Weekman

N C Pesticide Manual 00(00):74

1968 79.8 N81

Blackberries, Chemical control (insects), Insect pests, Insecticides, Raspberries, Surveys.

NEMATODES

15679-69

SOIL TREATMENT FOR CONTROL OF NEMATODES AND CERTAIN SOIL-BORNE DISEASES.

Anonymous

N C Pesticide Manual 00(00):115

1968 79.8 N81

Chemical control (nematodes), Chemical control (plant diseases), Plant nematodes, Soil treatment, Soil-borne plant diseases.

15680-69

SOIL TREATMENT FOR CONTROL OF NEMATODES AND CERTAIN SOIL-BORNE DISEASES.

Anonymous

N C Pesticide Manual 00(00):112

1967 79.8 N81

Chloropicrin, Dichloropropane dichloropropene mixture, Dichloropropene, 1,3-, Ethylene dibromide, Methyl bromide, Nematodes, Soil treatment, Soil-borne plant diseases.

15681-69

LESION NEMATODE, PRATYLENCHUS BRACHYURUS, ATTACKING CRYPTOMERIA JAPONICA IN SINGAPORE.

C L Chin

Plant Dis Rep 53(10):798

Oct 1969 1.9 P69P

Cryptomeria japonica, Plant nematodes, Pratylenchus brachyurus.

15682-69

STUDIES OF PLANT AND SOIL NEMATODES. 14. FIVE NEW SPECIES OF TYLENCHORHYNCHUS COBB, PARATYLENCHUS MICOLETZKY, MORULAIMUS SAUER AND HEMICYCLIOPHORA DE MAN (NEMATODA: TYLENCHOIDEA).

R C Colbran

Queensland J Agr Anim Sci 26(2):181-192

Jun 1969 23 Q37

Nematodes, Plant nematodes, Pratylenchus, Taxonomy, Tylenchorhynchus.

15683-69

SOIL FUMIGANTS FOR NEMATODE IN COTTON.

H R Garriss W E Cooper

N C Pesticide Manual 00(00):51

1967 79.8 N81

Chemical control (nematodes), Cotton, Fumigants, Nematodes.

15684-69

SOIL FUMIGANTS FOR NEMATODE CONTROL IN COTTON.

H R Garriss W E Cooper

N C Pesticide Manual 00(00):53

1968 79.8 N81

Chemical control (pests), Chlorinated hydrocarbons, Cotton, Plant nematodes, Surveys.

15685-69

ESTABLISHING OVERALL PLANT PROTECTION. (GER)

F Grossmann

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(3):143-149

Mar 1967 464.8 Z3

BIBLIOGRAPHY

Cercosporella herpotrichoides, Fungus diseases (plants), Fusarium oxysporum, Ophiobolus graminis, Plant nematodes, Plant regulators, Pratylenchus penetrans, Seed germination, Soil-borne plant diseases, Wheat. English summary

15686-69

NOTE ON EFFECTS OF NEMATICIDES AND HEAT TREATMENT ON THE CONTROL OF ROOT-KNOT NEMATODE IN TOBACCO NURSERIES.

G V G Krishna Murthy N A Elias

Indian J Agr Sci 39(3):263-265

Mar 1969 22 AG83I

Chemical control (nematodes), Heat treatment, Meloidogyne incognita, Nematocides, Seedlings, Tobacco.

15687-69

INVESTIGATION OF THE INFECTION OF POTATO NEMATODE (HETERODERA ROSTOCHIENSIS WOLLENWEBER) CYSTS BY THREE INSECT PATHOGENIC FUNGI. (GE)

E Muller-Kogler W Stein

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(4):201-204

1967 464.8 Z3

Biology, Cysts, Entomogenous fungi, Fungus diseases (plants), Heterodera rostochiensis, Plant nematodes, Potatoes.

15688-69

A SIMPLE DEVICE FOR INJECTING METHYL BROMIDE INTO A REPLANT SITE.

J H O'Bannon F W Bistline

Plant Dis Rep 53(10):799-802

Oct 1969 1.9 P69P

Agriculture, Chemical control (nematodes), Citrus, Dairy equipment, Methyl bromide, Plant nematodes, Soil treatment.

15689-69

THE EFFECTS OF INFECTION BY HETERODERA ROSTOCHIENSIS AND RHIZOCTONIA SOLANI ON DEVELOPMENT AND YIELD OF POTATOES IN POTS. (GER)

H Stelter G Meinl

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(11/12):671-675 REF

Nov 1967 464.8 Z3

Crop yields, Heterodera rostochiensis, Plant nematodes, Plant physiology, Potatoes, Rhizoctonia solani. English summary

15690-69

FUMIGANT NEMATOCIDES FOR TOBACCO.

F A Todd C J Nusbaum

N C Pesticide Manual 00(00):62

1968 79.8 N81

Chemical control (pests), Fumigants, Nematocides, Plant nematodes, Root knot, Surveys, Tobacco.

15691-69

MULTIPURPOSE DISEASE CONTROL SOIL FUMIGANTS FOR TOBACCO. NEMATODES, BLACK SHANK AND BLACK ROOT ROT.

F A Todd C J Nusbaum

N C Pesticide Manual 00(00):62-63

79.8 N81

Black root rot, Black shank, Plant diseases, Plant nematodes, Soil fumigation, Telone, Tobacco, Vorlex.

15692-69

SOIL FUMIGANTS FOR CONTROL OF NEMATODE DISEASES OF TOBACCO.

F A Todd C J Nusbaum

N C Pesticide Manual 00(00):60

1967 79.8 N81

Chemical control (nematodes), Fumigation, Nematodes, Tobacco.

15693-69

NEMATODE CONTROL IN WOODY ORNAMENTALS.

J C Wells

N C Pesticide Manual 00(00):103

1968 79.8 N81

Chemical control (nematodes), Dibromo-3-chloropropane, 1,2-, Grasses, Nematocides, Ornamental plants, Pesticide application, Plant nematodes.

15694-69

CHEMICAL CONTROL OF NEMATODES IN SUGARCANE.

J A Winchester

Down Earth 23(4):19-21 SPRING

1968 381 D75 .

Biochemistry, Chemical control (nematodes), Chlorinated hydrocarbons, Crop yields, Dibromo-3-chloropropane, 1,2-, Dichloropropane dichloropropene mixture, Diethyl O-*p*-(methylsulfinyl)phenyl phosphorothioate, O, Ethylene dibromide, Ethylene dichloride, Meloidogyne arenaria thamesi, Nematocides, Organophosphorus compounds, Parasitism, Plant nematodes, Population, Sugarcane, Tylenchorhynchus martini.

WEEDS

15695-69

EFFECT OF STAGE OF GROWTH OF FIELD BINDWEED ON ABSORPTION AND TRANSLOCATION OF C-14-LABELED 2,4-D AND PICLORAM.

C S O Agbakoba J R Goodin

Weed Sci 17(4):436-438 REF

Oct 1969 79.8 W41

Absorption, Carbon-14, Convolvulus arvensis, D, 2,4-, Herbicides, Picloram, Plant biochemistry, Plant physiology, Translocation.

15696-69

TRANSFORMATION OF SOLAN IN SOIL.

R Bartha

Weed Sci 17(4):471-472

Oct 1969 79.8 W41

Chemical analysis, Chromatography, Herbicides, Infrared spectra, Soil chemistry, Solan.

15697-69

HERBICIDE CONCENTRATIONS IN LIVE OAK TREATED WITH MIXTURES OF PICLORAM AND 2,4,5-T.

J R Baur R W Bovey J D Smith

Weed Sci 17(4):567-570 REF

Oct 1969 79.8 W41

Chemical analysis, Chromatography, Herbicide residues, Herbicides, Picloram, Quercus virginiana, T, 2,4,5-

15698-69

DISTRIBUTION OF ROOT-ABSORBED PICLORAM.

J R Baur R W Bovey

Weed Sci 17(4):524-528

Oct 1969 79.8 W41

Absorption, Acacia farnesiana, Picloram, Plant physiology, Prosopis juliflora, Roots, Seedlings.

15699-69

EQUIPMENT FOR INCORPORATION OF HERBICIDES.

L E Bode M R Gebhardt

Weed Sci 17(4):551-555

Oct 1969 79.8 W41

Chlorinated hydrocarbons, Herbicide application, Herbicides, Trifluralin.

15700-69

GRANULAR HERBICIDES FOR WOODY PLANT CONTROL.

R W Bovey H L Morton J R Baur J D Diaz-

Colon C C Dowler

Weed Sci 17(4):533-541

Oct 1969 79.8 W41

Acacia farnesiana, Bromacil, Chemical control (weeds), Granular herbicides, Ilex vomitoria, Picloram, Prosopis juliflora, Quercus virginiana, Shrubs.

15701-69

HERBICIDES IN FORESTRY.

R M Brown

J Sci Food Agr 20(8):509-512 REF
Aug 1969 382 SO12
Forestry, Herbicides, Labor productivity, T, 2,4,5-.

15702-69
ABSORPTION AND TRANSLOCATION OF 2,4D BY WOLFTAIL (CAREX CHEROKEENSIS SCHWEIN).
E R Burns G H Buchanan A E Hiltbold
Weed Sci 17(4):401-404 REF
Oct 1969 79.8 W41
Absorption, Carbon-14, Carex, D, 2,4-, Herbicides, Phenoxy acid compounds, Plant biochemistry, Plant physiology, Radioactive tracers, Translocation.

15703-69
EFFECT OF WEEDS ON HARVESTING EFFICIENCY IN CORN, SORGHUM, AND SOYBEANS.
O C Burnside G A Wicks D D Warnes B R Somerhalder S A Weeks
Weed Sci 17(4):438-441
Oct 1969 79.8 W41
Corn, Crop losses, Freezing, Harvesting, Sorghum, Soybeans, Weeds.

15704-69
PHYTOTOXICITY, LEACHABILITY, AND SITE OF UPTAKE OF 2-CHLORO-2',6'-DIETHYL-N-(METHOXYMETHYL) ACETANILIDE.
Y Eshel
Weed Sci 17(4):441-444
Oct 1969 79.8 W41
Chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide, 2-, Cotton, Herbicides, Leaching, Phytotoxicity, Plant physiology.

15705-69
CHEMICAL VERSUS MECHANICAL FALLOW OF ABANDONED CROPLANDS.
A C Everson D N Hyder H R Gardner R E Bement
Weed Sci 17(4):548-551 REF
Oct 1969 79.8 W41
Agropyron, Chemical treatment, Chlorinated hydrocarbons, Dalapon, Fallowing, Herbicides, Mechanization, Soil moisture.

15706-69
HERBICIDE EQUILIBRIUM IN SOILS IN RELATION TO SOIL WATER CONTENT.
R E Green S R Obien
Weed Sci 17(4):514-519 REF
Oct 1969 79.8 W41
Adsorption, Atrazine, Herbicides, Soil moisture.

15707-69
THE CHROMATOGRAPHIC IDENTIFICATION OF SUBSTITUTED UREA HERBICIDES.
R J Hance
J Chromatography 44(2):419-421 REF
28 Oct 1969 475 J824
Chemical analysis, Chromatography, Urea herbicides.

15708-69
RESPONSE OF WEEDS AND SOYBEANS TO AMIBEN AND NAPITALAM INDIVIDUALLY AND IN MIXTURES WITH DINOSEB.
E W Hauser W H Marchant
Weed Sci 17(4):446-448
Oct 1969 79.8 W41
Amiben, Chemical control (weeds), Dinoseb, Herbicides, Naptalam, Plant physiology, Soybeans, Weeds.

15709-69
AQUATIC WEEDS.
L G Holm L W Weldon R D Blackburn
Science 166(3906):699-709 MAP REF
07 Nov 1969 470 SCI2
Aquatic plants, Biological control (weeds), Chemical control (weeds), Cultural control (weeds), D, 2,4-, Diquat, Pista stratiotes, Plant translocation, Salvinia, Snails, Surveys, Weeds.

15710-69
EFFECT OF LIGHT ON THE HERBICIDAL ACTIVITY OF SOME AMIBEN DERIVATIVES.
A R Isensee J R Plummer B C Turner
Weed Sci 17(4):520-523
Oct 1969 79.8 W41
Absorption spectra, Amiben, Herbicide residues, Herbicides, Light, Photochemistry.

15711-69
CHEMICAL WEED CONTROL IN FLORAL CROPS.
J M Jenkins W A Scroch T J Monaco
N C Pesticide Manual 00(00):102
1968 79.8 N81
Chemical control (weeds), Crops, D, 2,4-, Diuron, Flowers, Herbicide application, Herbicides, Trifluralin, Weeds.

15712-69
EFFECTS AND CULTURAL COMPATIBILITY OF CABBAGE HERBICIDES. (GER.)
W Kampe
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(11/12):666-671
Nov 1967 464.8 Z3
Cabbage, Cauliflower, Chemical control (weeds), Cultural control (weeds), Desmetryne, Herbicides, Plant biochemistry, Toxicology. English summary

15713-69
POSTEMERGENCE HERBICIDE APPLICATIONS FOR CORN.
E L Knake F W Slife D L Mulvany
N Cent Weed Contr Conf Res Rep 24:120
1967 79.9 N81R
Abutilon theophrasti, Amaranthus retroflexus, Chemical control (weeds), Corn, Herbicide application, Herbicides, Oils, Polygonum pensylvanicum, Setaria viridis. Many herbicides were tested on different weed species.

15714-69
BIOLOGICAL CHARACTERISTIC FEATURES OF SEVERAL WEED PLANTS AND THE FIGHT AGAINST THEM. (RUS)
I G Kovachev
Priroda (Sofia) (3, MAY-JUN):75-77
Jun 1967 410 P934
Plant taxonomy, Weed control.

15715-69
STUDIES ON ATRAZINE AND 2,4-D USED IN DEFENSE OF MAIZE IN THE AREA OF RUSSE IRRIGATION SYSTEM. (RUS)
V Kovachev M Makarov
Akad Selskostopanskie Nauk Bulgariyu Inst Rast Izv 6(5):117-125 REF
1969 451 B872
Atrazine, Chemical control (weeds), Corn, D, 2,4-, Herbicides, Irrigation ditches.

15716-69
CHEMICAL WEED CONTROL IN LAWNS AND TURF.
W M Lewis
N C Pesticide Manual 00(00):107-108
1968 79.8 N81
Chemical control (weeds), Herbicide application, Herbicides, Lawns, Turf, Weeds.

15717-69
CHEMICAL WEED CONTROL OF AQUATIC PLANTS.
W M Lewis A D Worsham
N C Pesticide Manual 00(00):38-39
1967 79.8 N81
Aquatic plants, Chemical control (weeds), Weed control.

15718-69
CHEMICAL WEED CONTROL IN HAY CROPS AND PASTURES.
W M Lewis A D Worsham T W Waldrep
N C Pesticide Manual 00(00):43-48
1967 79.8 N81
Chemical control (weeds), Hay, Pastures, Weed control.

15719-69
CHEMICAL WEED CONTROL IN HAY CROPS AND PASTURES.
W M Lewis A D Worsham T W Waldrep
N C Pesticide Manual 00(00):45-50
1968 79.8 N81
Chemical control (weeds), Field crops, Hay, Herbicide application, Herbicides, Pastures, Surveys.

15720-69
CHEMICAL WEED CONTROL IN LAWNS AND TURF.
W M Lewis A D Worsham
N C Pesticide Manual 00(00):104-105
1967 79.8 N81
Chemical control (weeds), Lawns, Turf, Weed control.

15721-69
CHEMICAL CONTROL OF AQUATIC PLANTS.
W M Lewis A B Rogerson A D Worsham
N C Pesticide Manual 00(00):39-41
1968 79.8 N81
Aquatic plants, Chemical control (weeds), Herbicide application, Herbicides, Surveys.

15722-69
PARAQUAT FOR WEED CONTROL PRIOR TO ESTABLISHING LEGUMES.
D L Linscott A A Akhavein R D Hagin
Weed Sci 17(4):428-431 REF
Oct 1969 79.8 W41
Agropyron repens, Alfalfa, Birdsfoot trefoil, Chemical control (weeds), Cyperus esculentus, Herbicides, Legumes, Paraquat.

15723-69
SOME CHRONIC EFFECTS OF DIURON ON BLUEGILLS.
J P McCraren O B Cope L Eller
Weed Sci 17(4):497-509 REF
Oct 1969 79.8 W41
Chromatography, Diuron, Fish, Herbicides, Marine biology, Pesticide residues, Population, Toxicology.

15724-69
PLANT RESPONSE TO HERBICIDE PLACEMENT IN SOIL.
R K Nishimoto A P Appleby W R Furtick
Weed Sci 17(4):475-478 REF
Oct 1969 79.8 W41
Atrazine, Diuron, Ethyl N,N-dipropylthiocarbamate, Herbicides, Oats, Phytotoxicity, Plant physiology, Setaria viridis, Soils.

15725-69
DEGRADATION OF ATRAZINE IN FOUR HAWAIIAN SOILS.
S R Obien R E Green
Weed Sci 17(4):509-514 REF
Oct 1969 79.8 W41
Atrazine, Chlorinated hydrocarbons, Chromatography, Degradation, Herbicides, Hydrogen-ion concentration, Pesticide residues, Soils.

15726-69
BROMACIL INTERACTIONS IN PLANT BIOASSAY, FUNGI CULTURE, AND NITRIFICATION.
S K Pancholy J Q Lynd
Weed Sci 17(4):460-463
Oct 1969 79.8 W41
Biological assay, Bromacil, Fungi, Nitrification, Phytotoxicity, Plant biochemistry.

15727-69
GAINS IN TIMOTHY FORAGE FROM GOLDENROD CONTROL WITH 2,4-D, 2,4-DB, AND PICLORAM.
E J Peters S A Lowrance
Weed Sci 17(4):473-474
Oct 1969 79.8 W41

CROP PROTECTION

15728-69

Chemical control (weeds), Crop yields, D, 2,4-, Dichlorophenoxy)butyric acid, 4-(2,4-, Herbicides, Phleum, Pieloram, Solidago.

15728-69

RESULTS FROM USE OF 2,4-D AND 2M-4X IN GRAIN MAIZE CROP. (RU)

P Petkova B Manov

Akad Selskostopanskie Nauk Bulgariya Inst Rast Izv 6(6):113-123 REF

1969 451 B872

Chemical control (weeds), Corn, D, 2,4-, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2,-.

15729-69

DRYLAND SORGHUM PRODUCTION AND WEED CONTROL WITH MINIMUM TILLAGE.

W M Phillips

Weed Sci 17(4):451-454 REF

Oct 1969 79.8 W41

Atrazine, Chemical control (weeds), Herbicides, Sorghum, Tillage, Wheat.

15730-69

USE OF PRE-EMERGENCE HERBICIDES IN NAVY BEANS.

J E Rawson

Queensland J Agr Anim Sci 26(2):231-234

Jun 1969 23 Q37

Amiben, Chemical control (weeds), D, 2,4-, Herbicides, Kidney beans, Linuron, Phytotoxicity, Sesone.

15731-69

NEW METHOD OF INJECTING HERBICIDES FOR WEED CONTROL IN CORN AND SOYBEANS.

J W Sehrader J D Doll W F Meggitt

N Cent Weed Contr Conf Res Rep 24:117-118

1967 79.9 N81R

Chemical control (weeds), Corn, D, 2,4-, Dyes, Equipment, Ethyl, N,N-dipropylthiocarbamate, Herbicide application, Herbicides, Injections, Methodology, Phenoxy acid compounds, Soybeans, Spraying. Many herbicides were tested.

15732-69

MOVEMENT AND PERSISTENCE OF PICLORAM IN PASTURE SOILS OF NEBRASKA.

C J Seifres O C Burnside M K McCarthy

Weed Sci 17(4):486-488

Oct 1969 79.8 W41

Herbicides, Pastures, Pesticide residues, Pieloram, Soils, Soybeans.

15733-69

TRANSLLOCATION AND METABOLISM OF MAA-C14 IN JOHNSONGRASS AND COTTON.

M M Sekler R E Frans

Weed Sci 17(4):421-427 REF

Oct 1969 79.8 W41

Carbon-14, Chemical analysis, Chromatography, Cotton, Disodium methanesulfonate, Herbicides, Plant biochemistry, Plant metabolism, Sorghum halpense, Translocation.

15734-69

CHEMICAL WEED CONTROL IN WOODY ORNAMENTALS.

W A Seroch

N C Pesticide Manual 00(00):101-102

1968 79.8 N81

Chemical control (weeds), Herbicide application, Herbicides, Ornamental plants, Shrubs, Weeds.

15735-69

DOMESTIC QUARANTINE NOTICES. WITCHWEED, REGULATED AREAS.

D R Shepherd

Fed Regist 33(160):11631

16 Aug 1968 L1.451

Agricultural regulation, Plant quarantine, Striga.

15736-69

CHEMICAL WEED CONTROL IN VEGETABLE CROPS.

W A Skroch T J Monaco

BIBLIOGRAPHY

N C Pesticide Manual 00(00):123-126

1968 79.8 N81

Chemical control (weeds), Herbicide application, Herbicides, Vegetables, Weeds.

15737-69

CHEMICAL WEED CONTROL IN FRUIT CROPS.

W A Skroch T J Monaco

N C Pesticide Manual 00(00):80-82

1968 79.8 N81

Chemical control (weeds), Fruit, Herbicide application, Herbicides, Surveys.

15738-69

CHEMICAL WEED CONTROL IN VEGETABLE CROPS.

W A Skroch A D Worsham W M Lewis

N C Pesticide Manual 00(00):120-123

1967 79.8 N81

Chemical control (weeds), Herbicides, Vegetables, Weed control.

15739-69

CONTROL OF WEEDS IN WHEAT CROP BY 2, 4-D.

D D Srivastava

Plant Protect Bull 19(3):42

1967 421 P69

Chemical control (weeds), D, 2,4-, Herbicides, Weeds, Wheat.

15740-69

ABSORPTION AND TRANSLOCATION OF SIMAZINE IN PARROTFEATHER.

D L Sutton S W Bingham

Weed Sci 17(4):431-435 REF

Oct 1969 79.8 W41

Absorption, Chemical analysis, Chromatography, Herbicides, Myriophyllum, Plant biochemistry, Simazine, Translocation.

15741-69

DEFOLIATION OF COTTON.

W G Toomey A D Worsham

N C Pesticide Manual 00(00):49-50

1967 79.8 N81

Cotton, Cotton defoliation, Defoliants.

15742-69

APPLICATION OF GRANULATED HERBICIDES IN SPECIAL CULTURES, PRESENTED WITH THE PRODUCT DBN. OOSTERHOF, G. (GE)

H Uhl S Zahir

Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):233-236

Jan 1969 410.9 G31M

Dichlobenil, Herbicide application, Methodology, English abstract.

15743-69

EFFECTS OF 2,4-D ON SEED PRODUCTION AND EMBRYO DEVELOPMENT OF CURLY DOCK.

M A Un P B Cavers

Weed Sci 17(4):533-536

Oct 1969 79.8 W41

D, 2,4-, Embryos, Herbicides, Plant physiology, Rumex crispus, Seed germination, Seeds.

15744-69

RESPONSE OF TURKEY OAK TO 2,4,5-T AS A FUNCTION OF FINAL FORMULATION OIL CONTENT.

R P Upchurch J A Keaton H D Coble

Weed Sci 17(4):505-509 REF

Oct 1969 79.8 W41

Herbicides, Oils, Plant biochemistry, Plant physiology, Quercus laevis, T, 2,4,5,-.

15745-69

INFLUENCE OF THE HERBICIDES ARETIT, PROMETRIN AND CHLOROXURON ON THE YIELD AND SOME PHYSIOLOGICAL PROCESSES IN PEAS. (RU)

B Velev

Akad Selskostopanskie Nauk Bulgariya Inst Rast Izv 6(6):125-131 REF

1969 451 B872

Chemical control (weeds), Chloroxuron, Herbicides, Peas, Plant physiology, Plant respiration, Plant transpiration.

15746-69

COMPETITION BETWEEN KOCHIA AND SUGARBEETS.

D M Weatherspoon E E Schweizer

Weed Sci 17(4):464-467 REF

Oct 1969 79.8 W41

Competition, Crop yields, Cultural control (weeds), Kochia, Sugar beets.

15747-69

ADSORPTION OF S-TRIAZINES BY SOIL ORGANIC MATTER.

J B Weber S B Weed T M Ward

Weed Sci 17(4):417-421 REF

Oct 1969 79.8 W41

Adsorption, Chemical analysis, Herbicides, Hydrogen-ion concentration, Soil organic matter, Spectrophotometry, Triazines.

15748-69

WEED CONTROL IN SUGARBEETS WITH HERBICIDES AND CULTIVATION.

G A Wicks F N Anderson

Weed Sci 17(4):456-459

Oct 1969 79.8 W41

Chemical control (weeds), Cultural control (weeds), Cycloate, Dalapon, Endothal, Herbicides, Pebulate, Pyrazon, Sugar beets.

15749-69

SELECTIVE CONTROL OF PLAINS PRICKLYPEAR IN RANGELAND WITH HERBICIDES.

G A Wicks C R Fenster O C Burnside

Weed Sci 17(4):408-411 REF

Oct 1969 79.8 W41

Chemical control (weeds), Dicamba, Herbicides, Opuntia, Pieloram, Silvex, T, 2,4,5,-.

15750-69

PLANT AND SOIL ARSENIC ANALYSES.

R E Wilkinson

Weed Sci 17(4):536-537

Oct 1969 79.8 W41

Arsenic, Chemical analysis, Cotton, Herbicides, Monosodium acid methanesulfonate, Neutron activation analysis, Plant biochemistry, Soil chemistry, Translocation.

15751-69

USE OF BIPYRIDYL HERBICIDES IN FORESTRY.

D F Wilson

J Sci Food Agr 20(8):506-508

Aug 1969 382 S012

Bipyridium compounds, Chemical control (weeds), Forestry, Herbicides, Paraquat, Weed control.

15752-69

CHEMICAL CONTROL OF SPECIFIC WEEDS.

A D Worsham W M Lewis W A Skroch

N C Pesticide Manual 00(00):116-117

1968 79.8 N81

Chemical control (weeds), Herbicide application, Herbicides, Spraying, Surveys, Weeds.

15753-69

CHEMICAL CONTROL OF WOODY PLANTS.

A D Worsham W M Lewis H D Coble

N C Pesticide Manual 00(00):38

1968 79.8 N81

Chemical control (weeds), Herbicide application, Herbicides, Shrubs, Surveys.

15754-69

CHEMICAL CONTROL OF SPECIFIC WEEDS.

A D Worsham W M Lewis G K Klingman W A Skroch

N C Pesticide Manual 00(00):113-114

1967 79.8 N81

Chemical control (weeds), Grasses, Herbicides, Weeds.

15755-69
CHEMICAL CONTROL OF WOODY PLANTS.
 A D Worsham W M Lewis H D Coble
N C Pesticide Manual 00(00):37
 1967 79.8 N81
 Chemical control (weeds), Climbing plants, Shrubs.

15756-69
WEED CONTROL. GENERAL INFORMATION.
 A D Worsham W M Lewis G C Klingman W A Skroch
N C Pesticide Manual 00(00):23-36
 1967 79.8 N81
 Herbicide application, Herbicides, Residues, Toxicology, Weed control.

OTHER PESTS

15757-69
ANIMAL CONTROL SUGGESTIONS AND BAIT FORMULATIONS.
 V D Cunningham
N C Pesticide Manual 00(00):141-148
 1968 79.8 N81
 Baits, Birds, Integrated control (pests), Rodents.

15758-69
SECTION VI.--ANIMAL CONTROL.
 J P Hardister
N C Pesticide Manual 00(00):169-176
 1969 79.8 N81
 Animals, Baits, Chemical control (pests), Insect repellents, Rodenticides, Rodents, Surveys.

15759-69
THE POISONER'S PRIMER. CAUSED BY A CYTOPLASMIC VIRUS SMITHIAVIRUS PITHYOCAMPAE VAG..
 K M Niblock A Ruperez
New Zeal J Agr 119(3):79.81
 Sep 1969 23 N48J
 Accident prevention, Chemical control (pests), Cyanides, Cytoplasm, Insect diseases, Opossums, Pesticide application, Thaumetopoea pityocampa.

15760-69
GERMAN FOREST-PROTECTION LITERATURE 1965/66. III. DEFENSIVE MASS PROTECTION AGAINST ANIMAL PESTS. (GE)
 W Thalenhorst
Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(11/12):689-692 REF
 Nov 1967 46.8 Z3
 Forests, Pest control, Pesticides, Plant protection, Wildlife pests.

LIVESTOCK PROTECTION

DISEASES

15761-69
GUMBORO DISEASE IN CHICKENS. (SP)
 I Adamesteanu C Adamesteanu
Rev Zootech Med Vet 18(3):48-53
 Mar 1968 49 P943
 Anatomy, Breeding, Bronchitis, Bursa, Chickens, Gumboro disease, Muscles, Poultry diseases, Preventive medicine, Veterinary hospitals, Virus diseases (animals). French summary

15762-69
INFECTIONS CORYZA OF POULTRY.
 S C Adlakha
Indian Farming 19(9):45-47
 Jul 1969 22 IN283
 Antibiotics, Control, Coryza, *Haemophilus galinarum*, *Pasteurella multoidea*, Poultry diseases, Virus diseases (animals).

15763-69
COMMENTS ON AN OUTBREAK OF FOOD TOXIINFECTION WITH SALMONELLA TYPHIMURIUM IN AN OPEN COMMUNITY. (RUM)
 D Alexandrescu E Voina S Popovici G Flocea G Vasilescu
Microbiol Parazitol Epidemiol 12(6):533-536
 Nov 1967 448.3 M584
 Animal morphology, Communities, Epidemiology, Food poisoning, Human diseases, *Salmonella typhimurium*, Swine. English and German summaries

15764-69
INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. CYSTICERCOSIS. REVOCATION OF REGULATIONS.
 R J Anderson
Fed Regist 33(159):11587
 15 Aug 1968 L1.451
 Agricultural regulation, Animal quarantine, Cattle, Echinococcosis, Interstate commerce, Parasitism, Poultry, Transportation.

15765-69
INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. DUCK VIRUS ENTERITIS (DUCK PLAGUE). APPROVED SOURCE FLOCKS.
 R J Anderson
Fed Regist 33(198,PT.1):15108
 10 Oct 1968 L1.451
 Agricultural regulation, Animals, Ducks, Enteritis, Poultry, Transportation, Vaecines, Virus diseases (animals).

15766-69
BOVINE BRUCELLOSIS IN THE STATE OF SAO PAULO. INCIDENCE IN THE REGION OF RIBEIRAO PRETO.
 F De Assis Tupinamba Valente L Braz Siqueira Amaral
Biologico 35(5):97-104
 May 1969 442.8 B529
 Brucellosis, Cattle, Livestock diseases, Surveys.

15767-69
EXPERIMENTAL INFECTION OF CALVES WITH MYXOVIRUS PARAINFLUENZA-3 AND PASTEURELLA HAENOLYTICA.
 D E Baldwin R G Marshall G E Wessman
Amer J Vet Res 28(12):1773-1782 REF
 Nov 1967 41.8 AM3A
 Antibodies, Calves, Immunization, Parainfluenza-3 virus, *Pasteurella hemolytica*.

15768-69
ANTIGENIC ANALYSIS OF BOVINE ENTEROVIRUSES THROUGH STUDIES OF THE KINETICS OF NEUTRALIZATION.
 M A Barya T Moll D E Mattson
Amer J Vet Res 28(126):1283-1294 REF
 Sep 1967 41.8 AM3A
 Bovine enteroviruses, Cattle, Serodiagnosis, Tissue culture.

15769-69
TECHNIQUES FOR THE DETECTION OF ENZOOTIC LEUKOSIS IN CATTLE. VALUE OF THE BLOOD TEST. POSSIBLE ERRORS. (RUS)
 E Buzi T R Andrian I Georgescu
Rev Zootech Med Vet 18(4):32-38 REF
 Apr 1968 49 P943
 Blood tests, Cattle, Cells, Enzootic bovine leukosis, Livestock diseases, Morphology, Sampling (statistics).

15770-69
PROBLEMS OF HORSESICKNESS. STUDIES AT I. V. R. I..
 M R Dhaba S Kumar
Indian Farming 19(4):39-41
 Jul 1969 22 IN283
 African horse sickness, Diagnosis, Epizootic diseases, Vaccines, Virus diseases (animals).

15771-69
THE CONCENTRATION OF FOOT-AND-MOUTH VIRUS BY POLYETHYLENE GLYCOL. (FR)
 M-T Fayet
Acad Sci Compt Rend Ser D 268(25, 1ST SEMESTER):3140-3141
 23 Jun 1969 505 P21
 Biophysics, Foot-and-mouth disease virus, Methodology, Polyethylene glycol.

15772-69
ON ETIOLOGY AND SPREAD OF ATROPHIC RHINITIS IN SWINE AT SWINE FARMS IN BOSNIA AND HERZEGOVINA. (CZ)
 Z Forsek Lj Rukavina A Nevezestic
Vet Glas 22(3):165
 1968 41.8 J93
 Anatomy, Atrophic rhinitis, Baeteriology, Etiology, Farms, Infectious diseases, Inflammation, Livestock diseases, Metabolism, Respiratory diseases, Swine. English and Russian summaries

15773-69
PATHOLOGIC ORIGIN AND MORPHOLOGY OF TUBERCULOSIS IN CATTLE TODAY. (SL)
 E Gavez
Vet Glas 22(2):119-126
 1968 41.8 J93
 Animal morphology, Bacteriology, Cattle, Gastrointestinal system, Infectious diseases, Livestock diseases, Tuberculin, Tuberculosis. English and Russian summaries

15774-69
END-OF-SEASON MASTITIS CONTROL.
 R J Gillham
Tasmanian J Agr 40(2):167-169
 May 1969 23 T182T
 Drug therapy, Livestock diseases, Mastitis, Sanitation.

15775-69
STIMULATION OF DNA SYNTHESIS IN BOVINE LEUKOCYTE CULTURES BY TRYPAROSOMA THEILERI ANTIGEN.
 W C D Hare E J L Soulsby
J Parasitol 55(5):973-976 REF
 Oct 1969 448.8 J824
 Antigens, Biochemistry, Cattle, Crop yields, Deoxyribonucleic acid, Insect outbreaks, Leukocytes, Macrosiphum avenae, Tissue culture, Trypanosoma theileri, Wheat. English abstract.

15776-69
ASPERGILLOSIS OF DUCKLINGS. (SP)
 S Harovic I Cristea
Rev Zootech Med Vet 18(3):73-76
 Mar 1968 49 P943
 Aspergillosis, *Aspergillus fumigatus*, Ducklings, Iodine compounds, Mortality, Mycosis, Poultry diseases, Sodium carbonate, Starches, Straw, Therapeutics. Hebrew and French summaries

15777-69
EROSION AND ITS SUBSEQUENT LESION IN FOWL AIR SACS. (JAP)
 C Itakura
Jap J Vet Sci 30(1):7-19 REF
 Feb 1968 41.8 J27
 Air sacs, Animal histology, Cells, Embryos, Injuries, Microorganisms, Poultry, Respiration, Respiratory diseases. English summary

15778-69
CONTRIBUTION TO THE KNOWLEDGE OF CONTROL OF EPIZOOTIC DISEASE OF SHEEP HOOFS. (CZ)
 R Katic Z Vukacevic Lj Cvetkovic R Jovanovic Lj Stojcic
Vet Glas 22(3):171-177
 1968 41.8 J93
 Epizootic diseases, Hoofs, Infectious diseases, Livestock diseases, Preventive medicine, Sheep. English and Russian summaries

15779-69

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.
J K Kirk
Fed Regist 33(186,PT.1):14380

24 Sep 1968 L1.451
Dairy cattle, Drug therapy, Feed additives, Mastitis.

15780-69

NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES ERYTHROMYCIN AND DIETHYLSTILBESTROL.
J K Kirk
Fed Regist 33(180,PT.1):13042-13043

14 Sep 1968 L1.451
Agricultural regulation, Biochemistry, Cattle, Diethylstilbestrol, Erythromycin, Feed additives.

15781-69

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES CARBARSONE (NOT U.S.P.), ZOALENE, PROCAINE PENICILLIN, BACITRACIN METHYLENE DISALICYLATE, ZINC BACITRACIN.
J K Kirk
Fed Regist 33(144):10586

25 Jul 1968 L1.451
Agricultural regulation, Bacitracin methylenedisalicylic acid, Blackhead, Carbarsone, Coccidiosis, Feed additives, Poultry, Procaine penicillin, Zinc bacitracin, Zoalene.

15782-69

FOOD ADDITIVES. PROPOSED REVOCATIONS REGARDING AMPROLIUM, OXYTETRACYCLINE, ZOALENE.
J K Kirk
Fed Regist 33(133):9904

10 Jul 1968 L1.451
Amprolium, Drug therapy, Feed additives, Oxytetracycline, Zoalene.

15783-69

NOTICE OF FILING OF PETITION OF FOOD ADDITIVE BUQUINOLATE.
J K Kirk
Fed Regist 33(160):11685

16 Aug 1968 L1.451
Agricultural regulation, Buquinolate, Chickens, Coccidiosis, Eimeria brunetti, Feed additives.

15784-69

NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVES.
J K Kirk
Fed Regist 33(155):11366

09 Aug 1968 L1.451
Agricultural regulation, Akloamide, Bacitracin, Chickens, Feed additives, Sulfantran.

15785-69

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE DISODIUM EDTA.
J K Kirk
Fed Regist 33(134):9968

11 Jul 1968 L1.451
Agricultural products, Agricultural regulation, Animals, Ethylenediaminetetraacetic acid, Feed additives, Micronutrients, Minerals.

15786-69

NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVE DIETHYLCARBAMAZINE.
J K Kirk
Fed Regist 33(134):9968

11 Jul 1968 L1.451
Accident prevention, Agricultural products, Diethylcarbamazine, Dog foods, Feed additives, Filariasis, Organophosphorus compounds.

15787-69

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. DRUGS. ANTIBIOTIC DRUGS;

EXEMPTIONS FROM LABELING AND CERTIFICATION REQUIREMENTS. CHLORTETRACYCLINE, SULFAMETHAZINE.
J K Kirk
Fed Regist 33(198,PT.1):15113-15114

10 Oct 1968 L1.451
Agricultural regulation, Antibiotics, Chlortetraacycline, Drug therapy, Feed, Food additives, Livestock, Sulfamethazine, Water.

15788-69

TOXOPLASMOSIS PATHOGENESIS IN DOGS (EXPERIMENTAL INVESTIGATION). (RUS)

E P Kovaleva T F Kagoi M G Khokhlova M G Smaikina
Zhur Mikrobiol Epidemiol Immunobiol 12:101-105
Dec 1967 448.3 Z4
Dogs, Parasitism, Toxoplasmosis, Virus diseases (animals). English summary

15789-69

LEAD POISONING AND ASPERGILLOSIS IN AN ANDEAN CONDOR.

L N Locke G F Bagley D N Frickie L T Young
Amer Vet Med Ass J 155(7):1052-1056 REF
01 Oct 1969 41.8 AM3
Animal histology, Aspergillosis, Birds, Kidneys, Lead poisoning, Lungs.

15790-69

PHYTO-TRICHOBEOZARS IN THE CAECUM OF HORSES IN THE NORTHERN TERRITORY.

J R Macdonochie D M R Newman D Newton-Tabrett
Australian Vet J 44(2):81-82
Feb 1968 41.8 AU72
Gastrointestinal system, Horses, Plants.

15791-69

PHYSIOLOGIC AND ENDOCRINOLOGIC EFFECTS OF THE INSECTICIDE KEPONE IN THE JAPANESE QUAIL.

L Z McFarland P B Lacy
Toxicol Appl Pharmacol 15(2):441-450
Sep 1969 391.8 T662
Animal physiology, Birds, Decachlorooctahydro-1,3,4-metheno-2H-cyclobuta(cd) p, Estrogens, Liver.

15792-69

SOUTH AUSTRALIA INSTITUTE OF MEDICAL AND VETERINARY SCIENCE: 29TH ANNUAL REPORT OF THE COUNCIL OF MEDICAL AND VETERINARY SCIENCE.

I McLachlan
29:65
Jun 1967 448.9 IN76
Animal diseases, Bacteriology, Biology, Chemistry, Histology, Research, Virology.

15793-69

SEROLOGICAL CATALOGUE OF SALMONELLA GALLINARUM AND PULLORUM IN THE AGRICULTURAL ZONE OF ARGENTINA. (SP)

E S Menchaca S I Barberis
La Plata Univ Nac Fac Cienc Vet Rev 8(18):29-33 REF
Jan 1966 41.9 L313
Bacteriology, Pullorum disease, Salmonella gallinarum, Salmonella pullorum, Serological tests.

15794-69

EPIZOOTIOLOGICAL OBSERVATIONS ON WEATHER AND LOCAL FACTOR EFFECT ON THE INCIDENCE OF OUTBREAKS OF AVIAN PASTEURELLOSIS. (RUS)

O Mihăescu G H Mîrcea C Popescu
Rev Zootech Med Vet 18(4):39-46
Apr 1968 49 P943
Bacteriology, Epidemiology, Epizootic diseases, Fowl cholera, Pasteurellosis, Weather.

15795-69

UTILIZATION OF GLUCOSE IN CHICKEN LIVER AND MUSCLE AND EFFECT OF ALLOXAN ON IT. (JAP)

N Miyao M Hayashi
Jap J Vet Sci 29(5):273-282 REF

Oct 1967 41.8 J27

Alloxan, Animal physiology, Biochemistry, Chickens, Diaphragm, Fatty acids, Glucose, Liver glycogen, Muscles, Rats.

15796-69

TULAREMIA FOCUS IN THE VOLGA RIVER DELTA AND MEASURES OF ITS CONTROL. (RUS)

E I Novikova
Zhur Mikrobiol Epidemiol Immunobiol 44(3):90-94
1967 448.3 Z4
Animal vectors, Field mice, Human diseases, Immunization, Insect control, Insect vectors, Rodent control, Tularemia, Watershed management. English summary

15797-69

INVESTIGATION ON GROWTH MEDIA FOR MYCOPLASMA: EVALUATION OF INFUSIONS, PEPTONES, SERA, YEAST EXTRACTS AND OTHER SUPPLEMENTS. (JAP)

M Ogata T Ohta A Obara I Z Pan
Jap J Vet Sci 29(5):259-271 REF
Oct 1967 41.8 J27
Bacteria, Culture media, Microbiology, Mycoplasma, Peptides, Serum, Yeast cultures.

15798-69

TISSUE DISTRIBUTION OF SULFADIMETHOXINE AND SULFAMONOMETHOXINE IN HORSES AFTER INTRAVENOUS INJECTION.

S Oh-Ishi
Jap J Vet Sci 30(1):21-23 REF
Feb 1968 41.8 J27
Blood, Drug therapy, Horses, Injections, Sulfadimethoxine, Sulfamer, Synovial membrane, Tissues, Veterinary medicine. Japanese summary

15799-69

CRYPTOCOCCOSIS IN A CAT.

S Okoshi A Hasegawa
Jap J Vet Sci 30(1):39-42
Feb 1968 41.8 J27
Animal histology, Cats, Cryptococcosis, Cryptococcus neoformans, Cryptogamia, Mycology, Mycosis, Soil fungi. Japanese summary

15800-69

MIXED NATURAL FOCUS OF Q-RICKETTSIOSIS AND OF TICK-BORNE ENCEPHALITIS IN THE EASTERN-EUROPEAN SOUTH-TAIGA FORESTS. (RUS)

A P Chelkina Z M Zhmaeva
Zh Mikrobiol Epidemiol Immunobiol 44(3):118-123
1967 448.3 Z4
Animal diseases, Antbodies, Bacteriology, Coxiella burnetii, Encephalitis, Forests, Insect vectors, Ixodes, Q fever, Rickettsial diseases. English summary

15801-69

E. COLI GASTROENTERITIS IN WEANED PIGLETS AND ATTEMPTS AT THE APPLICATION OF IMMUNOPROPHYLAXIS.

M Popovic S Zukula N Nikolin M Eregean
Vet Glas 22(1):17-21
1968 41.8 J93
Antibiotics, Antigens, Baby pigs, Bacteria, Diarrhea, Escherichia coli, Gastroenteritis, Immunology, Infectious diseases, Preventive medicine, Serum, Swine, Therapeutics.

15802-69

THE ROLE AND IMPORTANCE OF MOLD IN THE OCCURRENCE OF ALIMENTARY INTOXICATIONS IN SWINE. (I. EXPERIMENTAL TOXICITY OF PIGLETS WITH MOLD FEED). (SL)

M Popovic S Zukula
Vet Glas 22(2):111-117 REF
1968 41.8 J93
Aspergillus, Baby pigs, Culture, Feed toxicity, Fusarium, Gastrointestinal system, Livestock dis-

cases, Molds, Mucor, Mycosis, Penicillium, Swine. English and Russian summaries

15803-69

SALMONELLOSIS INCIDENCE IN GASTRO-ENTEROPNEUMOPATHIES IN CATTLE. (SP)

V Quai C Pop V Balogh M Vicas H Oprea G Horvath I Turjuc

Rev Zootech Med Vet 18(3):54-67

Mar 1968 49 P943

Animal physiology, Bacteria, Castration, Cattle, Epizootic diseases, Gastrointestinal system, Injections, Liver, Livestock diseases, Milk analysis, *Salmonella enteritidis*, *Salmonella* essen, Salmonellosis. Summary in Hebrew and French

15804-69

SIX CASES OF HUMAN RABIES. CLINICAL AND VIROLOGICAL STUDIES. (SP)

F S Rengell E Ponce De Leon M A Hernandez

Rev Invest Salud Publica 26(4):307-318

Oct 1966 449.9 M572

Animal vectors, Bats, Human diseases, Laboratories, Rabies, Virology, Viruses. English summary

15805-69

MASKING OF THE AGGREGATION PHEROMONE IN DENDROCTONUS PSEUDOTSUGAE HOPK.

J A Rudinsky

Science 166(3907):884-885

14 Nov 1969 470 SCI2

Biochemistry, Cytology, Electron microscopy, Enzymes, Nervous system diseases, Proteins, Ribonucleic acid, Ribosomes, Tissue culture, Viruses.

15806-69

IMMUNITY TO SALMONELLA INFECTION (EXPERIMENTAL INVESTIGATION). REPORT I. DYNAMICS OF 19S AND 7S ANTIBODY FORMATION AND SPECIFIC RESISTANCE IN IMMUNIZATION WITH CELLULAR COMPONENTS OF TYPHOID BACILLUS. (RUS)

E S Stanislavsky N G Fish

Zhur Mikrobiol Epidemiol Immunobiol 44(3):82-87 REF

1967 448.3 Z4

Animal disease resistance, Antibodies, Antigens, *Bacillus*, Bacteriology, Immunization, Immunohistochemistry, Mice, *Salmonella*, Typhus. English summary

15807-69

ROLE OF INTERFERON IN ENHANCED REPLICATION OF NEWCASTLE DISEASE VIRUS IN SWINE CELLS INFECTED WITH HOG CHOLERA VIRUS.

M Toba M Matumoto

Jap J Microbiol 13(3):303-305

Sep 1969 448.8 J273

Hog cholera virus, Interferon, Newcastle disease virus, Swine, Tissue culture, Virus diseases (animals).

15808-69

CONTROL AND ERADICATION OF ANIMAL INFECTIONS IN ARMY IN CONTEMPORARY WAR. (CZ)

V Turudic

Vet Glas 22(3):153-158

1968 41.8 J93

Armed forces, Infectious diseases, Livestock diseases, Veterinary medicine, Warfare.

15809-69

INVESTIGATIONS ON Q FEVER IN THE REPUBLIC OF MEXICO. (SP)

G Varela R Velasco

Rev Invest Salud Publica 26(4):301-306

Oct 1966 449.9 M572

Bacteriology, Blood serum, Cattle, *Coxiella burnetii*, Livestock diseases, Milk, Q fever, Rickettsial diseases. English conclusions

15810-69

REDUCTION OF ARBOVIRUS PLAQUE NUMBERS BY SUSPENSIONS OF NORMAL MOSQUITOES.

T M Yuill

Amer J Trop Med Hyg 18(4, PT 1):609-613 REF

Jul 1969 448.8 AM326

Aedes aegypti, Arboviruses, *Culex tritaeniorhynchus*, Extracts, Mice, Plaque, Virology.

ARTHROPODS

15811-69

SUGAR SOLUTION FEEDING AND ITS EFFECT ON THE RETENTION OF INFECTIVE DIROFILARIA IMMITIS LARVAE IN ANOPHELES QUADRIMACULATUS.

W J Bemrick D M Bemrick

J Med Entomol 6(3):278-279

Aug 1969 421 J828

Anopheles quadrimaculatus, *Dirofilaria immitis*, Feeding, Larvae, Sugars, Temperature.

15812-69

LIVESTOCK AND POULTRY INSECTS.

J Falter

N C Pesticide Manual 00(00):86-91

1968 79.8 N81

Chemical control (insects), Insect pests, Insecticide application, Insecticides, Livestock, Poultry, Surveys.

15813-69

THE USE OF CHLOROPHOS WITH PROLONGATOR FOR ANTITICK TREATMENT OF CATTLE IN A FOCUS OF CRIMEAN HEMORRHAGIC FEVER. (RUS)

V D Poleschuk V I Vashkov D N Stolbov Y V

Zimina

Zhur Mikrobiol Epidemiol Immunobiol 12:87-91 REF

Dec 1967 448.3 Z4

Cattle, Chemical control (insects), Epidemic hemorrhagic fever, Insect vectors, Insecticides, Ixodidae, Livestock diseases, Organophosphorus compounds, Trichlorfon. English summary

15814-69

INSECTS ON HUMANS.

R L Robertson

N C Pesticide Manual 00(00):85

1968 79.8 N81

Chemical control (insects), Chlordane, Dieldrin, DDT, Humans, Insect pests, Insecticide application, Insecticides, Lindane, Toxaphene.

15815-69

THE PHARMACOKINETICS OF HEOD (DIELDRIN) IN THE RAT.

J Robinson M Roberts M Baldwin A T Walker

Food Cosmet Toxicol 7(4):317-332 REF

Jul 1969 391.8 F73

Adipose tissue (animals), Blood, Brain, Chlorinated hydrocarbons, Dieldrin, Liver, Pharmacology, Rats.

15816-69

EPIDEMIOLOGY OF WESTERN ENCEPHALITIS IN ALBERTA: RESPONSE OF NATURAL POPULATIONS OF MOSQUITOES TO AVIAN HOST.

J A Shemanchuk

J Med Entomol 6(3):269-275

Aug 1969 421 J828

Aedes, Chickens, *Culex tarsalis*, *Culiseta*, Disease transmission, Population, Surveys, Western equine encephalomyelitis virus.

15817-69

ABUNDANCE OF RODENTS AND FLEAS AS RELATED TO PLAGUE IN LAVA BEDS NATIONAL MONUMENT, CALIFORNIA.

H E Stark A R Kinney

J Med Entomol 6(3):287-294 REF

Aug 1969 421 J828

Ecology, Insect vectors, Plague, Rats, Rodents, Siphonaptera, Surveys.

PARASITES

15818-69

INTERSTATE TRANSPORTATION OF ANIMALS AND POULTRY. CYSTICEROSIS. CHANGE IN AREAS QUARANTINED.

R J Anderson

Fed Regist 33(139):10280

18 Jul 1968 L1.451

Animal quarantine, Animals, Echinococcosis, Interstate commerce, Parasitism, Poultry, Transportation.

15819-69

SPECIES OF GASTRO-INTESTINAL NEMATODES IN SHEEP WITHIN THE DISTRICT OF SOUTHERN BACKA AND NORTHERN BANAT. I. INTENSITY AND DYNAMICS OF OCCURRENCE. (CZ)

R Golosin

Vet Glas 22(3):193-198

1968 41.8 J93

Epidemiology, Gastrointestinal system, Nematodes, Parasitism, Sheep. English and Russian summaries

15820-69

EIMERIA SAITAMAE N. SP.: A NEW CAUSE OF COCCIDIOSIS IN DOMESTIC DUCKS (ANAS PLATYRHYNCHA VAR. DOMESTICA). (JA)

I Inoue

Jap J Vet Sci 29(4):209-215 REF

Aug 1967 41.8 J27

Coccidiosis, Ducklings, *Eimeria saitamae*, Feces, Intestines, Parasitism, Poultry diseases, Sporozoa.

15821-69

STUDIES ON AVIAN MALARIA IN JAPAN. I. LIFE CYCLE, ESPECIALLY EXOERYTHROCYTIC GROWTH OF THE PARASITE. (JAP)

K Itagaki M Tsubokura

Jap J Vet Sci 30(1):1-6 REF

Feb 1968 41.8 J27

Avian malaria, Blood cells, Chickens, Erythrocytes, Morphology, Parasitism, Parasitology, Plasmodium. English summary

15822-69

THE PROTECTIVE EFFECT OF HEXACHLOROPHANE AGAINST INFECTION WITH FASCIOLA HEPATICA.

S B Kendall I J Sinclair

Res Vet Sci 10(5):481-482

Sep 1969 41.8 R312

Beans, Curculionidae, Drug therapy, *Fasciola hepatica*, Insect taxonomy, Methylenebis(3,4,6-trichlorophenol), 2,2',-Rabbits, Zoogeography.

15823-69

EXPERIMENTAL STUDIES ON ANCYLOSTOMIASIS IN CATS IV. EXPERIMENTAL INFECTION OF ANCYLOSTOMA TUBAEFORME AND A. CANINUM TO CAT.

S Okoshi Y Murata

Jap J Vet Sci 29(5):251-258 REF

Oct 1967 41.8 J27

Ancylostoma caninum, *Ancylostoma tubaeforme*, *Ancylostomiasis*, Cats, Hookworm disease, Nematodes, Parasitism.

15824-69

EXPERIMENTAL STUDIES ON TOXASCARIS LEONINA. II. DIAGNOSIS AND TREATMENT OF TOXASCARIASIS IN DOGS AND CATS.

S Okoshi M Usui

Jap J Vet Sci 29(5):245-250

Oct 1967 41.8 J27

Anthelmintics, Ascariasis, Cats, Dogs, Nematodes, Parasitism, *Toxascaris leonina*.

15825-69

EXPERIMENTAL STUDIES ON TOXASCARIS LEONINA. I. INCIDENCE OF T. LEONINA AMONG DOGS AND CATS IN JAPAN. (JA)

LIVESTOCK PROTECTION

15826-69

S Okoshi M Usui
Jap J Vet Sci 29(4):185-194 REF

Aug 1967 41.8 J27

Animal diseases, Ascaris, Cats, Dogs, Infectious diseases, Nematodes, Parasitism, *Toxascaris leonina*, *Toxocara canis*, *Toxocara cati*.

15826-69

EXPERIMENTAL STUDIES ON ANCYLOSTOMIASIS IN CATS. III. EGG CULTURE OF ANCYLOSTOMA TUBAEFORME ZEDER, 1800 AND ANCYLOSTOMA CANINUM ERCOLANI, 1859. (JA)

S Okoshi Y Murata

Jap J Vet Sci 29(4):177-184 REF

Aug 1967 41.8 J27

Ancylostoma caninum, *Ancylostoma tubaeforme*, Ancylostomiasis, Animal diseases, Cats, Culture media, Filariasis, Morphology, Nematodes, Parasitism, Rhabditis, Temperature.

Abstract: Eggs of both *A. tubaeforme* and *A. caninum* could hatch in water with no feces provided.

15827-69

MICROSPORUM GYPSEUM ISOLATED FROM LINE RINGWORM. (JA)

S Okoshi A Hasegawa

Jap J Vet Sci 29(4):195-199

Aug 1967 41.8 J27

Animal diseases, Cats, *Microsporum gypseum*, Mycosis, Parasitism, Ringworm.

15828-69

EPIDEMIOLOGICAL CONSIDERATIONS ON TENIASIS IN THE BIRLA DISTRICT. (RUM)

I Popa M Costin P Penciu

Microbiol Parazitol Epidemiol 12(1):25

Jan 1967 448.3 M584

Cestodiasis, Echinococcosis, Epidemiology, Livestock diseases, Parasitism, *Taenia solium*, *Taenia*, French, German, English and Russian summaries

15829-69

THE EFFECT OF SIMULTANEOUS TREATMENT WITH HEXACHLOROPHENONE AND NITROXYNIL UPON IMMATURE FASCIOLA HEPATICA IN RATS AND RABBITS.

R J Ray F J Millan

Res Vet Sci 10(5):405-408

Sep 1969 41.8 R312

Drug therapy, *Fasciola hepatica*, Insect taxonomy, Mallophaga, Methylenebis(3,4,6-trichlorophenol), 2,2'-, Nitroxinil, Rabbits, Rats, Surveys, Zoogeography.

15830-69

PRECIPITATING ANTIBODIES TO INFECTION WITH FASCIOLA HEPATICA IN RABBITS. (GEOMETRIDAE). (PART VIII).

I J Sinclair S B Kendall

Res Vet Sci 10(5):483-485

Sep 1969 41.8 R312

Antibodies, *Fasciola hepatica*, Geometridae, Insect taxonomy, Precipitin test, Rabbits, Surveys, Zoogeography.

15831-69

SHEEP MEASLES.

W H Stephens

Tasmanian J Agr 40(2):120-121

May 1969 23 T182T

Cysticercus, Disease transmission, Dogs, Drug therapy, Marketing, Sheep, *Taenia ovis*.

15832-69

PREVENTING HYDATID DISEASE IN HUMANS.

W H Stephens A J Bramble

Tasmanian J Agr 40(2):98-104

May 1969 23 T182T

Disease transmission, Dogs, Echinococcosis, Public health.

15833-69

EFFICACY OF COUMAPHOS AND NAPHTHALOPHOS AGAINST NEMATODES OF LAMBS.

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C T Train R G White M F Hansen

Amer J Vet Res 29(12):2331-2335

Dec 1968 41.8 AM3A

Anthelmintics, Coumaphos, Drug therapy, Lambs, Naphthalophos, Nematodes.

COMMODITY PROTECTION

15834-69

SWEET POTATO STORAGE HOUSE STERILIZATION.

H R Garriss L W Nielsen D V Phillips

N C Pesticide Manual 00(00):122

1968 79.8 N81

Mercury, Pesticide application, Sterilization, Storage, Sulfur, Sweet potatoes.

STORAGE DISEASES

15835-69

THE FUNGAL DISEASES OF PEARS AND APPLES DURING STORAGE. I. GENERAL ASPECTS. (FR)

P Bondoux

Ann Epiphyt 18(4):509-545 REF

1967 44.9 F84AN

Alternaria tenuis, Apples, *Botrytis cinerea*, Fungus diseases (plants), Pears, *Phacidiopycnis furfuracea*, Plant disease resistance, *Sclerotinia fructigena*, Storage diseases, *Trichoseptoria fructigena*. English summary

ARTHROPODS

15836-69

STORAGE INSECTS.

W V Campbell J Falter

N C Pesticide Manual 00(00):118-120

1968 79.8 N81

Chemical control (insects), Corn, Grain, Insecticide application, Insecticides.

15837-69

STORAGE INSECTS.

W V Campbell J Falter

N C Pesticide Manual 00(00):115-117

1967 79.8 N81

Chemical control (insects), Corn, Fumigants, Insect pests, Insecticides, Storage diseases.

15838-69

TERMITES AND POWDER-POST BEETLES.

H B Moore

N C Pesticide Manual 00(00):118

1967 79.8 N81

Chemical control (insects), Chlordane, Dieldrin, DDT, Lindane, Lycidae, Termites.

15839-69

MOTHS-PEST IN DWELLING PLACES AND NATIONAL ECONOMY. (RUS)

K Touleshkov

Priroda (Sofia) (2, MAR-APR):35-39

Apr 1967 410 P934

Gelechiidae, Household pests, Moths, Pyralidae, Tineidae.

15840-69

HOUSEHOLD PESTS.

C G Wright R L Robertson

N C Pesticide Manual 00(00):82-84

1968 79.8 N81

Chemical control (pests), Chlordane, Diazinon, Dieldorvos, Dieldrin, Household pests, Insecticides, Lindane, Malathion, Surveys.

MICROBIAL CONTAMINATION

15841-69

FURTHER STUDIES ON ROT OF MCINTOSH APPLES HANDLED IN WATER.

G D Blanpied A Purnasiri

Plant Dis Rep 53(10):825-828

Oct 1969 1.9 P69P

Apples, Polyethylene, Rot, Stored products, Water, Waxes.

15842-69

CLINICAL ASPECTS ON A FOOD TOXIINFEC-TION EPIDEMIC DUE TO A SALMONELLA STRAIN SELDOM REPORTED IN ROMANIA. (RUM)

I Gavrilă M Solovici N Opreanu

Microbiol Parazitol Epidemiol 12(6):537-543

Nov 1967 448.3 M584

Drug therapy, Epidemiology, Food poisoning, Influenza, *Salmonella anatum*, *Salmonella panama*, *Salmonella typhimurium*. English, German, and Russian

15843-69

LEPTOSPIROSIS AMONG THE WORKERS OF THE ENGELS MEAT PLANT. (RUS)

M V Godlevskaya D I Drakin E V Rumyantseva

Zhur Mikrobiol Epidemiol Immunobiol 44(3):114-117

1967 448.3 Z4

Antibodies, Bacteriology, Human diseases, *Leptospira canicola*, *Leptospira grippotyphosa*, *Leptospira pomona*, Leptospirosis, Meat packing industry, Serological tests, Weil's disease, Zoonoses. English summary

15844-69

CASE OF BOTULISM, TYPE E ON SAKHALIN. (RUS)

N D Mazurin A P Merzlyakov

Zhur Mikrobiol Epidemiol Immunobiol 44(3):123-125 REF

1967 448.3 Z4

Botulism, *Clostridium botulinum*, Food poisoning, Human diseases, Toxicology. English summary

15845-69

FOOD POISONINGS, CAUSED BY C. PERFRINGENS. (RUS)

G I Sidorenko O A Sakharova L S Popova V V Shelakova

Zhur Mikrobiol Epidemiol Immunobiol 44(3):75-78 REF

1967 448.3 Z4

Bacteriology, *Clostridium perfringens*, Food contamination, Food poisoning, Human diseases. English summary

15846-69

THE EPIDEMIOLOGIC ASPECTS OF SALMONELLOSES IN BUCHAREST. (RUM)

A Telniceanu H Dunareanu C Butoianu C Dumitrescu

Microbiol Parazitol Epidemiol 12(6):525-532 REF

Nov 1967 448.3 M584

Eggs, Epidemiology, Hospitals, Human diseases, *Salmonella enteritidis*, *Salmonella typhimurium*, *Salmonellosis*. English, Russian, and German summaries

ENVIRONMENTAL CONTAMINATION

15847-69

DDT RESIDUE PERSISTENCE IN RED-BACKED SALAMANDERS IN A NATURAL ENVIRONMENT.

J B Dimond R E Kadunc A S Getchell J A Bleas

Bull Environ Contamination Toxicol 3(4):194-202

Jul 1968 RA1270.P35A1

BIBLIOGRAPHY

RESIDUES

15870-69

Environment, Habitats, Population, Research, Spraying.

15848-69

IMPROVED RE-IGNITION TECHNIQUE FOR FLAME PHOTOMETRIC DETECTORS.

L E Fetzer

Bull Environ Contamination Toxicol 3(4):227-228
Jul 1968 RA1270.P35A1

Air pollution, Chemicals, Chromatography, Equipment, Phosphorus, Photometry, Research, Sulfur.

15849-69

ENDRIN INDUCED TRACE METAL ALTERATIONS FOLLOWING ACUTE EXPOSURE.

C H Lawrence R L Coleman W L Sowell

Bull Environ Contamination Toxicol 3(4):229-239
Jul 1968 RA1270.P35A1

Anatomy, Circulatory system, Endrin, Laboratories, Parameters, Rats, Research, Tables (data).

15850-69

PESTICIDE LEVELS IN FISH OF THE NORTHEAST PACIFIC STOUT, V. F.

Bull Environ Contamination Toxicol 3(4):240-246
Jul 1968 RA1270.P35A1

Biology, Drainage, Extracts, Fish, Pesticides, Sampling (statistics), Toxicology.

15851-69

DECOMPOSITION OF HERBICIDES IN THE SOIL. (RUS)

V Rankov

Priroda (Sofia) (5,SEP-OCT):46-47

Oct 1967 410 P934

Degradation, Herbicides, Residues.

RESIDUES

15852-69

ON DECOMPOSITION OF 1-PHENYL-4-AMINO-5-CHLORO-PYRIDAZONE-6 (PYRAZONE) IN SOIL. (GE)

N Drescher

Berlin Biol Bundesanst Land-forstwirtsch Mitt 132(37):73-78

Jan 1969 410.9 G31M

Herbicides, Pyrazon, Soil chemistry. English abstract

15853-69

DIFFUSION OF ORGANOPHOSPHORUS INSECTICIDES IN SOILS.

I J Graham-Bryce

J Sci Food Agr 20(8):489-494 REF

Aug 1969 382 SO12

Dimethoate, Disulfoton, Insecticide residues, Organophosphorus compounds, Soil analysis.

15854-69

DEGRADATION OF COMMERCIAL DDT IN SILAGE.

R F Henzell R J Lancaster

J Sci Food Agr 20(8):499-502 REF

Aug 1969 382 SO12

Degradation, DDT, Insecticide residues, Silage.

15855-69

DETERMINATION OF FUMIGANT RESIDUES IN CEREALS AND OTHER FOODSTUFFS: A MULTI-DETECTION SCHEME FOR GAS CHROMATOGRAPHY OF SOLVENT EXTRACTS.

S G Heusler K A Scudamore

J Sci Food Agr 20(9):566-572 REF

Sep 1969 382 SO12

Chemical analysis, Chromatography, Fumigants, Grain, Methodology.

15856-69

PESTICIDE RESIDUES IN FOODSTUFFS IN GREAT BRITAIN. XII. ORGANOCHLORINE INSECTICIDE RESIDUES IN HEN'S EGGS FROM BATTERY, DEEP-LITTER AND FREE-

RANGE SYSTEMS AND FROM HOUSES CONTAINING INSECTICIDE THERMAL VAPORISERS.

D C Holmes J H Simmons J O'g Tatton

J Sci Food Agr 20(8):495-498

Aug 1969 382 SO12

Benzene hexachloride, Chickens, Chlorinated hydrocarbons, DDT, Eggs, Insecticide residues.

15857-69

AZINPHOS-ETHYL RESIDUES ON FIELD GROWN TOMATOES.

J T Hughes K G Tate P D Wilson

New Zeal J Agr Res 12(2):417-422

May 1969 23 N4892

Attractants, Azinphosethyl, Colorimetry, Organophosphorus compounds, Pesticide residues, Tomatoes.

15858-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. FOOD ADDITIVES 2,2-DICHLOROVITYL DIMETHYL PHOSPHATE.

J K Kirk

Fed Regist 33(154):11207

08 Aug 1968 L1.451

Agricultural products, Dichlorvos, Food, Food additives, Insecticide residues, Organophosphorus compounds, Pesticides, Raw materials.

15859-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDES CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,ODIETHYL S-(2-(ETHYLTHIO)ETHYL PHOSPHORODITHIOATE.

J K Kirk

Fed Regist 33(180,PT.1):13007

14 Sep 1968 L1.451

Agricultural products, Chemicals, Disulfoton, Grain, Insecticide residues, Organophosphorus compounds, Pesticides, Plant biochemistry, Wheat.

15860-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICAL.

J K Kirk

Fed Regist 33(180,PT.1):13043

14 Sep 1968 L1.451

Agricultural products, Apples, Chemicals, Chromatography, Insecticide residues, Pesticides, Plant biochemistry, Tetrasul.

15861-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDES.

J K Kirk

Fed Regist 33(123):9312

25 Jun 1968 L1.451

Butylphenoxy)cyclohexyl 2-propynyl sulfite, 2-(p-tert-, Frukt, Insecticide residues, Walnuts.

15862-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDES.

J K Kirk

Fed Regist 33(123):9312

25 Jun 1968 L1.451

Binapacryl, Cucumbers, Fruit, Fungicides, Insecticide residues, Melons.

15863-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. CERTAIN SURFACTANTS IN PESTICIDE FORMULATIONS; EXTENSION OF TIME FOR FILING COMMENTS ON PROPOSAL TO EXEMPT FROM REQUIREMENT OF TOLERANCES.

J K Kirk

Fed Regist 33(143):10528

24 Jul 1968 L1.451

Agricultural products, Agricultural regulation, Chemicals, Food plants, Formulations, Pesticide

residues, Pesticides, Raw materials, Surface-active agents.

15864-69

ALPHA,ALPHA,ALPHA-TRIFLUORO-2,6-

DINITRO-N,N-DIPROPYL-PTOLUIDINE.
NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICAL.

J K Kirk

Fed Regist 33(131):9788

06 Jul 1968 L1.451

Agricultural chemistry, Herbicides, Trifluralin.

15865-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,O-DIMETHYL S-(4-OXO-1,2,3-BENZOTRIAZIN-3(4H)-YL)METHYL)PHOSPHORODITHIOATE.

J K Kirk

Fed Regist 33(134):9953-9954

11 Jul 1968 L1.451

Agricultural products, Azinphosmethyl, Chemicals, Food, Grain, Insecticide residues, Meat, Milk, Pesticides, Plant biochemistry, Plant hardiness, Raw materials, Vegetables.

15866-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

J K Kirk

Fed Regist 33(155):11365

09 Aug 1968 L1.451

Agricultural regulation, Chromatography, Coumaphos, Eggs, Insecticide residues, Organophosphorus compounds, Toxicology.

15867-69

NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDE CHEMICAL.

J K Kirk

Fed Regist 33(134):9968

11 Jul 1968 L1.451

Barban, Food, Grain, Herbicide residues.

15868-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES, MALATHION.

J K Kirk

Fed Regist 33(133):9880

10 Jul 1968 L1.451

Agricultural products, Chemicals, Grain, Insecticide residues, Malathion, Organophosphorus compounds, Pesticides, Sorghum.

15869-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O-ODIETHYL O-3-CHLORO-4-METHYL-2-OXO-2H-1-BENZOPYRAN-7-YL PHOSPHOROTHIOATE.

J K Kirk

Fed Regist 33(169):12187

29 Aug 1968 L1.451

Agricultural legislation, Agricultural products, Agricultural regulation, Coumaphos, Eggs, Insecticide residues, Meat, Milk, Organophosphorus compounds, Toxicology.

15870-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. TRIFLURALIN.

J K Kirk

Fed Regist 33(146):10713

27 Jul 1968 L1.451

Agricultural legislation, Agricultural products, Agricultural regulation, Fruit, Herbicide residues, Nuts, Raw materials, Toxicology, Trifluralin, Vegetables.

RESIDUES

15871-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. STREPTOMYCIN.

H L Ley

Fed Regist 33(146):10714

27 Jul 1968 L1.451

Agricultural legislation, Agricultural products, Agricultural regulation, Apples, Fire blight, Pears, Pesticide residues, Raw materials, Streptomycin, Toxicology.

15872-69

PERSISTENCE AND EFFECTIVENESS OF THIONAZIN AGAINST POTATO APIIDS ON THREE SOILS IN SOUTHERN ENGLAND.

B F Pain R F Skriveny

J Sci Food Agr 20(8):485-488 REF

Aug 1969 382 SO12

Aphidiidae, Insecticide residues, *Myzus persicae*, Soil analysis, Thionazin.

15873-69

PERSISTENCE OF bHC (HEXACHLOROCYCLOHEXANE) ON TOMATO CROP (LYCOPERSICON ESCULENTUM MILL.).

R K Rajoo

Indian J Agr Sci 39(1):41-43

Jan 1969 22 AG831

Benzene hexachloride, Residues, Tomatoes.

BIBLIOGRAPHY

15871-69

GEOMETRICAL ISOMERS OF CHRYSANTHEMIC, PYRETHRIC AND RELATED ACIDS AND OPTICAL ISOMERS OF CINEROLONE AND ALLETHROLONE.

M Elliot P H Needham C Potter

J Sci Food Agr 20(9):561-565 REF

Sep 1969 382 SO12

Acids, Allethrin, *Dysdercus fasciatus*, Esters, Insecticides, *Musca domestica*, Pyrethrum, *Tenebrio molitor*, Toxicology.

15880-69

TOLERANCE OF COTTON TO DIURON, FLUOMETURON, NOREA, AND PROMETRYNE.

Y Eshel

Weed Sci 17(4):492-496

Oct 1969 79.8 W41

Cotton, Dimethyl-3-(alpha,alpha,alpha-trifluoromethyl)urea, 1,1-, Diuron, Herbicides, Norea, Phytotoxicity, Prometryne.

15881-69

CHEMICALS FOR CONTROL OF PLANT DISEASES.

H R Garriss J C Wells

N C Pesticide Manual 00(00):15-17

1968 79.8 N81

Accident prevention, Field crops, Fruit, Fumigants, Insecticides, Lethal dose, Literature, Mammals, Surveys, Toxicology, Vegetables.

15882-69

PHYTOTOXICITY OF METHYL BROMIDE TO SOME PLANT HOSTS OF SAN JOSE SCALE.

K G Gostick

Plant Pathol 18(2):94-96

Jun 1969 464.8 P692

Apples, Chlorinated hydrocarbons, Currants, Fumigants, Methyl bromide, Pears, Phytotoxicity, Plums, Rosa, Temperature.

15883-69

EXPERIMENTAL STUDIES ON SULFADIMETHOXINE IN FOWLS. II. PLASMA CONCENTRATION IN HENS AND CHICKS GIVEN A DIET OR DRINKING WATER CONTAINING THE SULFA DRUG. (JA)

A Kasahara T Onodera Y Oshima

Jap J Vet Sci 29(5):227-231

Oct 1967 41.8 J27

Animal nutrition, Blood plasma, Chickens, Drug therapy, Feed additives, Poultry, Sulfadimethoxine, Sulfamerazine.

15884-69

WEED CONTROL.

W M Lewis A B Rogerson W A Skroch A D

Worsham H D Coble

N C Pesticide Manual 00(00):23-38

1968 79.8 N81

Accident prevention, Chemical control (weeds), Herbicide application, Herbicides, Mammals, Nomenclature, Pesticide residues, Surveys, Toxicology, Weed control.

15885-69

PRELIMINARY NOTE ON THE ESTROGENIC EFFECTS OF ALDRIN ON THE UROGENITAL SYSTEM OF BIRDS. (FR)

Y Lutz-Ostertag H Lutz

Acad Sci Compt Rend Ser D 269(4, 2ND SEMESTER):484-486

28 Jul 1969 505 P21

Aldrin, Birds, Chlorinated hydrocarbons, Embryology, Estrogens, Hormones, Urogenital system.

15886-69

DDT: INHIBITION OF AN ATP-ASE IN THE RAT BRAIN.

F Matsumura T A Bratkowski K C Patil

Bull Environ Contamination Toxicol 4(5):262-270

REF

Oct 1969 RA1270.P35A1

Adenosine triphosphatase, Biochemistry, Brain, DDT, Electron microscopy, Inhibitors, Insecticides, Ions, Rats.

15879-69

INSECTICIDAL ACTIVITY OF PYRETHRINS AND RELATED COMPOUNDS. II. RELATIVE

TOXICITY OF ESTERS FROM OPTICAL AND

15887-69

EFFECTS OF HERBICIDES ON RNA AND PROTEIN SYNTHESSES.

D E Moreland S S Malhotra R D Gruenhagen E H Shokraii

Weed Sci 17(4):556-563 REF

Oct 1969 79.8 W41

Corn, Dinoesc, Herbicides, Ioxynil, Plant metabolism, Propanil, Proteins, Ribonucleic acid, Synthesis.

15888-69

STUDIES ON THE MECHANISMS OF THE MONOFLUOROACETANILIDES POISONING TO MAMMALS. VIII. ORGANOPHOSPHORUS COMPOUNDS AS A SPECIFIC INHIBITOR TO FLUOROACETANILIDE AMIDOHYDROLASE.

T Nakamura T Ueda

Agr Biol Chem 31(11):1288-1293 REF

Nov 1967 385 AG8B

Acetanilide compounds, Chickens, Mammals, Organophosphorus compounds, Poisoning, Toxicology.

15889-69

ACUTE SUPERPHOSPHATE POISONING OF CATTLE AND SHEEP. (RUS)

M D Rapceanu A Georgescu E Crainicu

Rev Zootech Med Vet 18(4):54-61

Apr 1968 49 P943

Anatomy, Cattle, Feed toxicity, Fertilizers, Poisoning, Sheep, Superphosphates, Veterinary medicine. French and English summary

PLANT PHYSIOLOGY & BIOCHEMISTRY

15890-69

DIFFERENTIAL SENSITIVITIES TO GAMMA RADIATION OF PHYLLOXERA GALL AND NORMAL GRAPE STEM CELLS IN TISSUE CULTURE.

H C Arya A C Hildebrandt

Can J Bot 47(10):1623-1628

Oct 1969 470 C16C

Gamma rays, Grapes, Phylloxera, Plant physiology, Tissue culture.

15891-69

CHYTIDS AND ALGAE. II. FACTORS INFLUENCING PARASITISM OF RHIZOPHYDUM SPIAEROCARPUM ON SPIROGYRA.

J S Barr C J Hickman

Can J Bot 45(4):431-440

Apr 1967 470 C16C

Algae, Fungi, Parasitism, Plant physiology, Temperature.

15892-69

DOUBLE AND MULTIPLE EARED WINTER RYE AS A RESULT OF ABNORMAL EFFECTS OF WEED CONTROLLERS CONTAINING CALCIUM CYANAMIDE. (GE)

C Buhl

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz

75(3):146-151

Mar 1968 464.8 Z3

Calcium cyanamide, Chemical control (weeds), Environment, Plant abnormalities, Plant morphology, Rye.

15893-69

TESTS WITH THE REGULATOR CCC AS A MEANS OF EFFECTIVE UTILIZATION OF LARGE DOSES OF ARTIFICIAL NITROGEN FERTILIZER. (CZ)

F Duchon L Kopecky

Prace Sb Vysoke Sk Zemed (SER A):157-166 REF

1966 S13.P72

Chloroethyltrimethylammonium chloride, (2-, Dosage, Fertilizers, Nitrogen, Plant physiology, Plant proteins, Plant regulators, Urea compounds, Wheat. German and Russian summaries.

BIBLIOGRAPHY

ENGINEERING

15918-69

15894-69
TEMPERATURE AND THE SYNTHESIS OF VIRAL PROTEIN MATERIAL IN NICOTIANA XANTHI N. C. INFECTED WITH TOBACCO MOSAIC. (FR)

S Gianinazzi J-C Vallee
Acad Sci Compt Rend Ser D 269(5, 2ND SEMESTER):593-595

04 Aug 1969 505 P21

Metabolism, Plant biochemistry, Temperature, Tobacco, Tobacco mosaic virus.

15895-69

LIFE CYCLES OF FIELD PENNYCRESS IN THE SUBARCTIC AS INFLUENCED BY TIME OF SEED GERMINATION.

L J Klebesadel
Weed Sci 17(4):563-566

Oct 1969 79.8 W41

Cruciferae, Seed germination.

15896-69

PHYSIOLOGY OF THICK-WALLED SPORES OF SOIL-BORNE PLANT PATHOGENIC FUNGI. I. RESPIRATION AND GERMINATION OF HELMINTHOSPORIUM SATIVUM AND H. PEDICELLATUM SPORES.

D E Mathre
Can J Bot 47(10):1513-1520 REF

Oct 1969 470 C16C

Fungus diseases (plants), Helminthosporium, Plant physiology, Soil microorganisms.

15897-69

THE SIGNIFICANCE OF ALLELOPATHY FOR THE SYNTHESIS OF VEGETATION. (GER)

C H Muller

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 74(6):333-346 REF

Jun 1967 464.8 Z3

Adenostoma fasciculatum, Allelopathy, Artemisia californica, Plant ecology, Plant metabolism, Poisonous plants, Salvia leucophylla, Synthesis, Toxicology. English summary.

15898-69

EFFECT OF THIOMETON ON THE CHEMICAL COMPOSITION AND THE GROWTH OF GROUNDNUT CROP.

K S Nandra S L Chopra
Indian J Agr Sci 39(3):266-270

Mar 1969 22 AG831

Carbohydrates, Crop yields, Fats, Peanuts, Phosphorodithioates, Plant physiology, Proteins.

15899-69

FACTORS AFFECTING GROWTH OF ROOTED AQUATICS IN A RIVER.

W H Peltier E B Welch
Weed Sci 17(4):412-416

Oct 1969 79.8 W41

Aquatic plants, Plant nutrition, Plant physiology, Sediments, Water analysis, Waterways.

15900-69

THE ROLE OF GIBBERELLINS IN PHYTOCHROME MEDIATED RESPONSES.

D M Reid J B Clements M K Garrett D J Carr
Int Congress Photobiol Abs 5:156

1968 QH651.15

Barley, Biosynthesis, Chromoproteins, Gibberellins, Inhibitors, Leaves, Light, Plant biochemistry, Proteins, Ribonucleic acid.

15901-69

MODIFICATION OF NUCLEAR STRUCTURE IN TOBACCO, NICOTIANA TABACUM VAR. SAMSUN, INFECTED AT 32 DEGREES C BY TOBACCO MOSAIC VIRUS. (FR)

R Scalla C Martin R Meignoz B Lhoste
Acad Sci Compt Rend Ser D 269(5, 2ND SEMESTER):586-588

04 Aug 1969 505 P21

Cell nucleus, Electron microscopy, Nucleic acids, Tobacco mosaic virus.

15902-69

DORMANCY OF WILD OAT SEED PRODUCED UNDER VARIOUS TEMPERATURE AND MOISTURE CONDITIONS.

J J Sexsmith

Weed Sci 17(4):405-407

Oct 1969 79.8 W41

Avena fatua, Humidity, Plant physiology, Seeds, Temperature.

15903-69

PHOTOINHIBITION OF AUXIN AND ITS BEARING ON PHOTOTROPISM.

J Shen-Miller P Cooper S A Gordon
Int Congress Photobiol Abs 5:136

1968 QH651.15

Indoleacetic acid, Inhibitors, Light, Oats, Phototropism, Plant biochemistry, Plant hormones, Plant translocation, Spectrochemistry.

15904-69

NUCLEI IN HAUSTORIA OF PHYTOPHTHORA INFESTANS.

B Sivak M Shaw

Can J Bot 47(10):1585-1587 REF

Oct 1969 470 C16C

Cell nucleus, Cytology, Electron microscopy, Phytophtora infestans, Plant physiology.

15905-69

EFFECTS OF GROWTH REGULATORS ON EAR DENSITY MUTANTS IN BARLEY.

V Stoy A Hagberg

Hereditas 58(3):359-384 REF

1967 442.8 H42

Barley, Cytogenetics, Density, Genes, Gibberellic acid, Plant mutation, Plant physiology, Plant regulators.

15906-69

ISOLATION AND STRUCTURAL ELUCIDATION OF FRAGIN, A NEW PLANT GROWTH INHIBITOR PRODUCED BY A PSEUDOMONAS.

S Tamura A Murayama K Hata

Agr Biol Chem 31(6):758-759

Jun 1967 385 AG8B

Bacteria, Fragin, Plant growth inhibitors, Plant physiology, Pseudomonas.

15907-69

QUALITATIVE DEVELOPMENT OF CERTAIN PHENOLIC SUBSTANCES DURING A DECREASE IN THE PHENOMENON OF HYPERSENSITIVITY TO TOBACCO MOSAIC VIRUS IN NICOTIANA XANTHI N. C. (FR)

J Tanguy M Gallet

Acad Sci Compt Rend Ser D 269(5, 2ND SEMESTER):589-592

04 Aug 1969 505 P21

Hypersensitivity, Phenols, Tobacco, Tobacco mosaic virus.

15908-69

INFLUENCE OF SOME HERBICIDES ON THE TUBER FORMATION IN GARDEN PEAS. (RUS)

B V Vleev

Priroda (Sofia) (3, MAY-JUN):74-75

Jun 1967 410 P934

Herbicides, Peas, Plant physiology, Tubers.

CHEMISTRY

15909-69

AUTOMATION OF PESTICIDE ANALYSIS.

H G Applegate G Chittwood

Bull Environ Contamination Toxicol 3(4):211-226

Jul 1968 RA1270.P35A1

Automation, Chromatography, Equipment, Injections, Pesticides, Quantitative analysis, Research.

15910-69

ENDRIN DECOMPOSITION ON AIR-DRIED SOILS.

R I Asai W E Westlake F A Gunther

Bull Environ Contamination Toxicol 4(5):278-284

Oct 1969 RA1270.P35A1

Air flow, Chlorinated hydrocarbons, Chromatography, Degradation, Drying, Endrin, Soils.

15911-69

HYDROGEN BONDING OF DALAPON.

T R Kemp L P Stoltz J W Herron W T Smith

Weed Sci 17(4):444-446

Oct 1969 79.8 W41

Chemical analysis, Chemical structure, Dalapon, Herbicides, Hydrogen, Infrared spectra, Proteins.

15912-69

THE METHOD FOR THE INHIBITION OF CHOLINESTERASES AS APPLIED TO THE DETERMINATION OF AGRICULTURAL PESTICIDE RESIDUES. (FR)

P H Martens

Bull Recher Agron Gembloux (N s) 2(3):520-535 REF

1967 S5.B8

Carbamates, Cholinesterases, Insecticides, Methodology, Organophosphorus compounds, Pesticide residues. 20 pesticides were tested.

15913-69

IMPROVED EXTRACTION PROCEDURE FOR 2,3,5-TRIODOBENZOIC ACID FROM MILK AND MILK PRODUCTS.

C E McGee G S Born J E Christian B J Liska

Bull Environ Contamination Toxicol 4(5):306-310

Oct 1969 RA1270.P35A1

Chromatography, Dairy products, Extraction techniques, Milk, Triiodobenzoic acid, 2,3,5-.

15914-69

ISOLATION AND IDENTIFICATION OF THE COMPONENTS OF A COMMERCIAL CHLORDANE FORMULATION.

J G Saha Y W Lee

Bull Environ Contamination Toxicol 4(5):285-296

Oct 1969 RA1270.P35A1

Chemical analysis, Chlordane, Chlorinated hydrocarbons, Chromatography, Insecticides, Mass spectra.

15915-69

RAPID MICRODETECTION OF ORGANOCHLORINE PESTICIDES IN SUBMILLIGRAM FISH TISSUE SAMPLES.

D B Seba C E Lane

Bull Environ Contamination Toxicol 4(5):297-305

Oct 1969 RA1270.P35A1

Chemical analysis, Chlorinated hydrocarbons, Chromatography, Electron capture, Fish, Pesticides.

15916-69

THE TAS-METHOD FOR RAPID SEPARATION OF PESTICIDES AND PRESERVATIVES. (GER)

E Stahl

Z Lebensmittel-untersuchung -forsch 140(6):321-329 REF

Oct 1969 384 Z39

Benzene hexachloride, Chemical analysis, DDT, Methodology, Pesticides, Pyrethrum, Temperature.

ENGINEERING

15917-69

EQUIPMENT FOR AERATED STEAM TREATMENT OF SMALL QUANTITIES OF SOIL AND SOIL MIXES.

R A Aldrich P E Nelson

Plant Dis Rep 53(10):784-788

1.9 P69P

Agriculture, Cultural control (plant diseases), Dairy equipment, Soil treatment, Steam, Temperature.

15918-69

SELF-PROPELLED COMBINE FOR HARVESTING RESEARCH PLOTS.

O C Burnside

ENGINEERING

15919-69

Weed Sci 17(4):479-480
Oct 1969 79.8 W41
Grain, Harvesting, Sorghum, Soybeans.

15919-69

USE OF THE TORPIL ORANVER GRANULE APPLICATOR FOR PLACEMENT OF GRANULAR INSECTICIDES IN COCONUT LEAF AXILLS.

D W Fenwick

Agr Soc Trinidad Tobago J 69(1):582-586

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Chemical control (insects), Coconuts, Granular insecticides, Insecticide application.

15920-69

NEW IDEAS ON THE CONSTRUCTION OF CROP DUSTERS. (GE)

F Flehr

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J W Glover

N C Pesticide Manual 00(00):156-158

1968 79.8 N81

Engineering, Nozzles, Spraying equipment.

15922-69

SELECTION, ADJUSTMENT, AND CARE OF SPRAYING AND DUSTING EQUIPMENT.

J W Glover

N C Pesticide Manual 00(00):149-155

1968 79.8 N81

Dusting, Maintenance, Spraying.

INDUSTRY REGULATIONS

15923-69

REGULATIONS FOR THE ENFORCEMENT OF THE FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT. PESTICIDES CONTAINING SODIUM ARSENITE AND ARSENIC TRIOXIDE COMPOUNDS.

H W Hays

Fed Regist 33(144):10561

25 Jul 1968 L1.451

Agricultural regulation, Arsenic compounds, Arsenic trioxide, Herbicides, Pesticides, Poisons, Rodenticides, Sodium arsenite.

15924-69

DOMESTIC QUARANTINE NOTICES. WHITE-FRINGED BEETLE.

G W Irving

Fed Regist 33(186,PT.1):14355-14358

24 Sep 1968 L1.451

Agricultural legislation, Agricultural regulation, Graphognathus, Plant quarantine.

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